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1997

LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

DEPARTMENT OF COMMERCE · UNITED STATES OF AMERICA

ISSN 0198-1897

PEORIA,
ILLINOIS (PIA)

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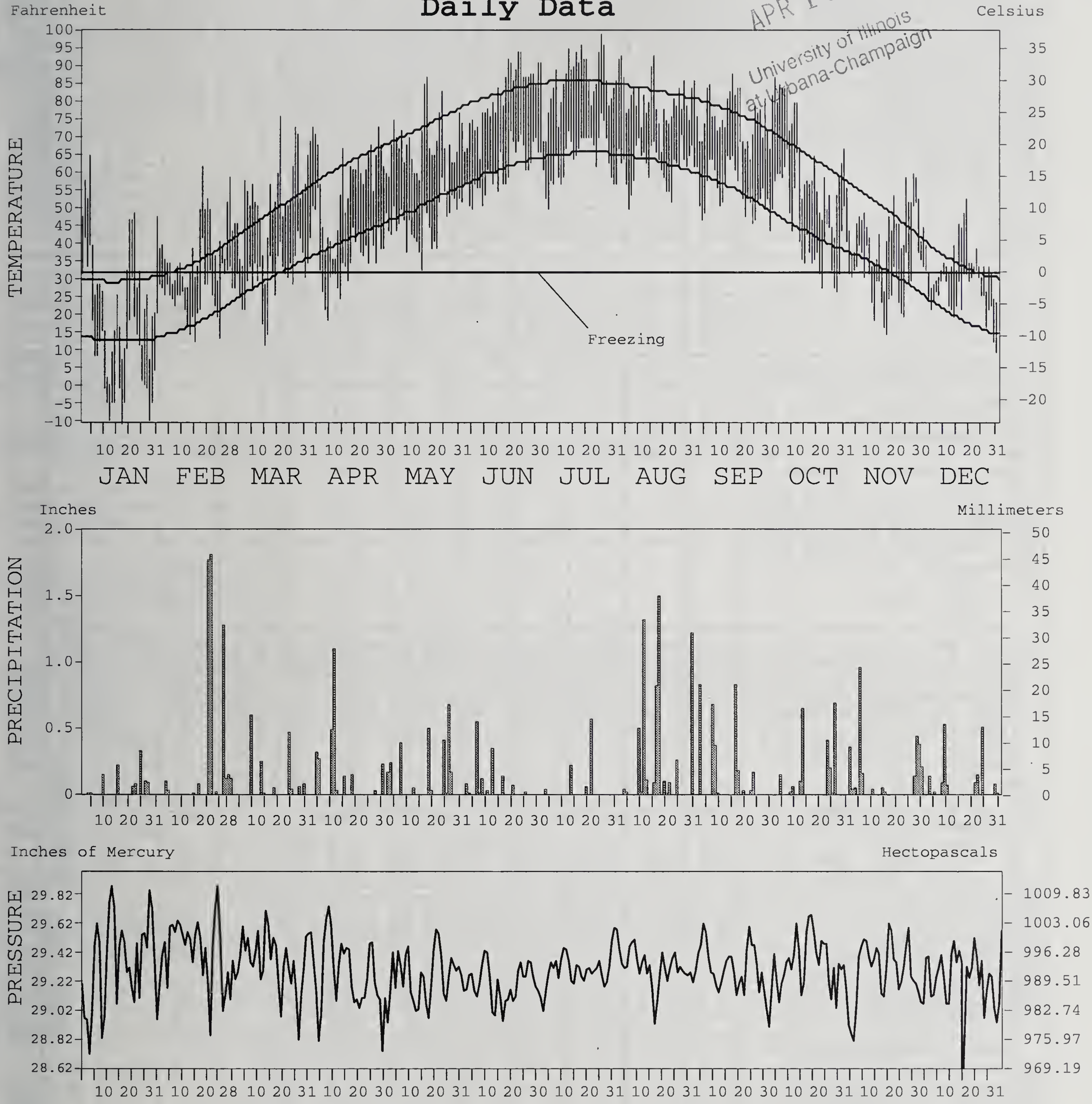
Daily Data



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Kenneth D Hadeen

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE	NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA	ACTING DIRECTOR NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 1997

PEORIA, IL (PIA)

LATITUDE:	LONGITUDE:	ELEVATION (FT):		TIME ZONE:	WBAN: 14842
40° 40′ 03″ N	89° 41′ 02″ W	GRND: 652	BARO: 683	CENTRAL (UTC+ 6)	

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	MEAN DAILY MAXIMUM	28.3	38.3	52.0	57.6	67.9	81.0	86.1	80.8	76.2	65.1	45.1	35.3	59.5
	HIGHEST DAILY MAXIMUM	65	62	76	73	87	94	99	93	88	87	60	53	99
	DATE OF OCCURRENCE	04	18	21	29+	18	24+	26	16+	16	03	28	19	JUL 26
	MEAN DAILY MINIMUM	10.2	25.4	30.8	36.6	46.2	60.4	64.7	62.2	56.0	44.6	31.0	26.4	41.2
	LOWEST DAILY MINIMUM	-10	13	12	19	33	50	50	50	46	27	15	10	-10
	DATE OF OCCURRENCE	17	15	15	09	16	05	05	06	24	28	17	31	JAN 17
	AVERAGE DRY BULB	19.3	31.9	41.4	47.1	57.1	70.7	75.4	71.5	66.1	54.9	38.1	30.9	50.4
	MEAN WET BULB	18.3	29.7	36.8	42.3	51.3	64.8	68.2	66.1	60.7	49.6	35.4		
	MEAN DEW POINT	13.2	25.9	30.0	35.6	44.9	60.7	64.2	62.9	56.6	44.7	31.2		
	NUMBER OF DAYS WITH:													
	MAXIMUM ≥ 90°	0	0	0	0	0	4	12	4	0	0	0	0	20
	MAXIMUM ≤ 32°	21	8	1	0	0	0	0	0	0	0	1	11	42
	MINIMUM ≤ 32°	28	24	18	9	0	0	0	0	0	5	19	27	130
	MINIMUM ≤ 0°	11	0	0	0	0	0	0	0	0	0	0	0	11
H/C	HEATING DEGREE DAYS	1412	922	723	530	252	18	5	3	54	364	802	1051	6136
	COOLING DEGREE DAYS	0	0	0	0	12	199	334	210	94	59	0	0	908
RH	MEAN (PERCENT)	76	79	66	67	66	71	70	77	74	71	77	82	73
	HOUR 00 LST	79	84	72	75	75	79	81	88	82	79	80	86	80
	HOUR 06 LST	80	85	81	81	80	85	87	90	89	85	87	87	85
	HOUR 12 LST	72	73	56	55	57	61	55	65	59	57	68	76	63
	HOUR 18 LST	75	75	54	57	52	60	60	68	67	65	72	80	65
S	PERCENT POSSIBLE SUNSHINE													
W/O	NUMBER OF DAYS WITH:													
	HEAVY FOG(VISBY ≤ 1/4 MI)	8	3	1	3	1	1	0	3	2	0	3	0	25
	THUNDERSTORMS	0	1	3	2	4	5	4	9	5	2	3	0	38
CLOUDINESS	SUNRISE-SUNSET: (OKTAS)													
	CEILOMETER (≤ 12,000 FT.)													
	SATELLITE (> 12,000 FT.)													
	MIDNIGHT-MIDNIGHT: (OKTAS)													
	CEILOMETER (≤ 12,000 FT.)													
	SATELLITE (> 12,000 FT.)													
	NUMBER OF DAYS WITH:													
	CLEAR													
	PARTLY CLOUDY													
	CLOUDY													
PR	MEAN STATION PRESS. (IN.)	29.34	29.44	29.35	29.29	29.25	29.21	29.31	29.32	29.31	29.34	29.30		
	MEAN SEA-LEVEL PRESS. (IN.)	30.09	30.18	30.07	30.00	29.96	29.90	30.01	30.02	30.01	30.05	30.02		
WINDS	RESULTANT SPEED (MPH)	5.6	2.3	1.9	0.9	3.0	2.1	1.1	0.6	0.2	3.1	1.5		
	RES. DIR. (TENS OF DEGS.)	27	28	28	25	28	21	19	23	17	18	27		
	MEAN SPEED (MPH)	9.6	7.8	10.2	9.0	9.6	7.3	5.8	6.3	6.1	8.1	7.9	7.6	7.9
	PREVAIL.DIR.(TENS OF DEGS.)	28	30	30	08	30	05	05	18	05	19	28	29	30
	MAXIMUM 2-MINUTE WIND:													
	SPEED (MPH)	31	28	31	45	30	25	30	36	34	32	25	25	45
	DIR. (TENS OF DEGS.)	28	22	29	24	22	20	24	20	28	20	18	06	24
	DATE OF OCCURRENCE	15+	18	14	30	18	24+	21	15	29	12	27	24	APR 30
	MAXIMUM 5-SECOND WIND:													
	SPEED (MPH)	41	33	38	56	39	33	41	46	43	40	31	34	56
	DIR. (TENS OF DEGS.)	28	22	30	24	27	19	22	21	27	21	04	06	24
	DATE OF OCCURRENCE	05	18	14	06	05	24	21	15	29	12	30	24	APR 06
PRECIPITATION	WATER EQUIVALENT:													
	TOTAL (IN.)	1.05	5.37	1.68	2.76	2.65	1.38	0.89	6.10	3.13	2.29	2.85	1.69	31.84
	GREATEST 24-HOUR (IN.)	0.33	3.34	0.60	1.27	0.68	0.55	0.57	2.32	1.01	0.75	1.11	0.53	3.34
	DATE OF OCCURRENCE	24	20-21	09	10-11	26	06	21	16-17	16-17	12-13	05-06	09	FEB 20-21
	NUMBER OF DAYS WITH:													
	PRECIPITATION ≥ 0.01	9	10	9	9	10	10	4	14	9	9	12	10	115
	PRECIPITATION ≥ 0.10	4	6	4	7	7	4	2	8	6	6	7	4	65
	PRECIPITATION ≥ 1.00	0	3	0	1	0	0	0	3	0	0	0	0	7
SNOWFALL	SNOW,ICE PELLETS,HAIL:													
	TOTAL (IN.)					0.0			0.0		T	1.9	13.0	
	GREATEST 24-HOUR (IN.)					0.0			0.0		T	0.6	5.7	
	DATE OF OCCURRENCE										26	03	09	
	MAXIMUM SNOW DEPTH (IN.)				6	0	0		0	0	0	T	6	
	DATE OF OCCURRENCE				11							16+	10	
	NUMBER OF DAYS WITH:													
	SNOWFALL ≥ 1.0					0			0		0	0	4	

NORMALS, MEANS, AND EXTREMES

PEORIA, IL (PIA)

LATITUDE:	LONGITUDE:	ELEVATION (FT):		TIME ZONE:	WBAN: 14842
40° 40′ 03″ N	89° 41′ 02″ W	GRND: 652	BARO: 683	CENTRAL (UTC+ 6)	

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	29.9	34.9	48.1	62.0	72.8	82.2	85.7	83.1	76.9	64.8	49.8	34.6	60.4
	MEAN DAILY MAXIMUM	92	32.1	36.0	48.2	61.5	72.5	82.2	86.4	84.4	77.2	65.2	49.0	36.0	60.9
	HIGHEST DAILY MAXIMUM	58	70	72	86	92	93	105	103	103	100	90	81	71	105
	YEAR OF OCCURRENCE		1989	1976	1986	1986	1987	1988	1940	1988	1953	1963	1950	1982	JUN 1988
	MEAN OF EXTREME MAXS.	92	52.8	57.7	72.9	82.0	88.2	94.3	96.6	95.0	91.4	83.0	70.2	57.3	78.4
	NORMAL DAILY MINIMUM	30	13.2	17.7	29.8	40.8	50.9	60.7	65.4	63.1	55.2	43.1	32.5	19.3	41.0
	MEAN DAILY MINIMUM	92	15.8	19.5	29.4	40.6	50.8	60.5	64.8	63.0	55.0	43.4	31.5	20.9	41.3
	LOWEST DAILY MINIMUM	58	-25	-19	-10	14	25	39	47	41	26	19	-2	-23	-25
	YEAR OF OCCURRENCE		1977	1996	1960	1982	1966	1993	1972	1986	1942	1972	1977	1989	JAN 1977
	MEAN OF EXTREME MINS.	92	-7.1	-2.3	10.8	25.2	35.4	46.6	53.2	50.2	38.3	27.0	13.9	-1.5	24.1
	NORMAL DRY BULB	30	21.6	26.3	39.0	51.4	61.9	71.5	75.5	73.1	66.1	54.0	41.2	27.0	50.7
	MEAN DRY BULB	92	23.9	27.7	38.7	51.1	61.7	71.3	75.6	73.7	66.1	54.3	40.2	28.4	51.1
	MEAN WET BULB	14	22.9	26.4	36.1	45.7	55.7	64.8	68.6	67.1	59.1	48.2	36.5	26.8	46.5
	MEAN DEW POINT	14	18.5	21.5	30.0	38.8	49.9	60.2	65.0	63.8	54.8	42.8	32.0	22.9	41.7
	NORMAL NO. DAYS WITH:														
	MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.1	0.5	4.7	8.4	5.2	1.6	*	0.0	0.0	20.5
	MAXIMUM ≤ 32°	30	17.4	11.7	3.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.6	12.6	46.6
	MINIMUM ≤ 32°	30	29.4	25.3	19.5	5.9	0.4	0.0	0.0	0.0	0.1	4.7	16.7	26.7	128.7
	MINIMUM ≤ 0°	30	6.7	3.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.9	13.2
H/C	NORMAL HEATING DEG. DAYS	30	1345	1084	806	408	183	11	0	9	54	356	714	1178	6148
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	87	206	326	261	87	15	0	0	982
RH	NORMAL (PERCENT)	30	74	74	70	65	66	67	72	74	73	70	74	78	71
	HOUR 00 LST	30	77	78	76	71	74	76	82	84	82	78	79	81	78
	HOUR 06 LST	30	79	80	81	78	80	81	86	89	88	85	83	83	83
	HOUR 12 LST	30	68	66	62	55	56	56	59	60	59	58	66	72	61
	HOUR 18 LST	30	72	70	64	55	55	56	60	63	64	63	71	76	64
S	PERCENT POSSIBLE SUNSHINE	52	47	50	51	55	60	67	69	67	64	61	43	42	56
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY≤1/4 MI)	55	3.1	2.8	2.2	0.9	0.9	0.6	1.0	1.4	1.4	1.6	2.0	3.2	21.1
	THUNDERSTORMS	55	0.5	0.6	2.6	4.9	6.7	8.2	7.7	6.5	4.8	2.5	1.4	0.6	47.0
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	1						5.6						7.2	
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH:														
	CLEAR	1		1.0	5.0		5.0	9.0							
	PARTLY CLOUDY	1	1.0		3.0		1.0	4.0							
	CLOUDY	1	5.0	6.0	10.0		11.0	9.0							
PR	MEAN STATION PRESSURE(IN)	25	29.40	29.40	29.30	29.30	29.30	29.30	29.30	29.30	29.30	29.40	29.31	29.40	29.33
	MEAN SEA-LEVEL PRES. (IN)	14	30.13	30.12	30.05	29.96	29.97	29.96	29.99	30.03	30.05	30.07	30.08	30.14	30.05
WINDS	MEAN SPEED (MPH)	41	11.1	10.9	12.0	11.6	9.7	8.6	7.7	7.4	8.1	9.4	10.7	10.5	9.8
	PREVAIL.DIR(TENS OF DEGS)	29	29	18	18	18	18	18	18	18	18	18	18	18	18
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	2	38	33	39	45	32	26	30	36	34	44	28	26	45
	DIR. (TENS OF DEGS)		23	28	27	24	23	29	24	20	28	27	18	28	24
	YEAR OF OCCURRENCE		1996	1996	1996	1997	1996	1996	1997	1997	1997	1996	1996	1996	APR 1997
	MAXIMUM 5-SECOND:														
	SPEED (MPH)	2	47	43	52	56	39	43	41	46	43	60	36	34	60
	DIR. (TENS OF DEGS)		27	27	26	24	27	30	22	21	27	23	16	60	23
	YEAR OF OCCURRENCE		1996	1996	1996	1997	1997	1996	1997	1997	1997	1996	1996	1997	OCT 1996
PRECIPITATION	NORMAL (IN)	30	1.51	1.42	2.91	3.77	3.70	3.99	4.20	3.10	3.87	2.65	2.69	2.44	36.25
	MAXIMUM MONTHLY (IN)	58	8.11	5.37	6.95	8.66	10.19	11.69	10.15	8.61	13.09	10.80	7.62	6.34	13.09
	YEAR OF OCCURRENCE		1965	1997	1973	1947	1995	1974	1993	1965	1961	1941	1985	1949	SEP 1961
	MINIMUM MONTHLY (IN)	58	0.22	0.33	0.39	0.71	0.82	0.60	0.33	0.25	0.03	0.03	0.43	0.32	0.03
	YEAR OF OCCURRENCE		1986	1947	1958	1971	1992	1988	1988	1992	1979	1964	1953	1995	SEP 1979
	MAXIMUM IN 24 HOURS (IN)	54	4.45	3.34	3.39	5.06	3.62	4.44	4.22	4.32	4.15	3.70	4.32	3.38	5.06
	YEAR OF OCCURRENCE		1965	1997	1944	1950	1956	1974	1993	1955	1961	1969	1990	1949	APR 1950
	NORMAL NO. DAYS WITH:														
	PRECIPITATION ≥ 0.01	30	9.5	8.2	11.0	11.6	10.7	9.0	9.1	8.7	9.0	8.4	9.5	10.6	115.3
	PRECIPITATION ≥ 1.00	30	0.3	0.2	0.4	1.0	0.8	1.0	1.4	0.8	1.0	0.5	0.6	0.5	8.5
SNOWFALL	NORMAL (IN)	30	7.3	5.9	3.4	1.2	0.*	0.0	0.0	0.0	0.0	0.1	1.9	6.4	26.2
	MAXIMUM MONTHLY (IN)	53	24.7	15.2	16.9	13.4	0.1	0.0	T	0.0	T	1.8	9.1	21.7	24.7
	YEAR OF OCCURRENCE		1979	1989	1960	1982	1966		1990		1992	1967	1974	1977	JAN 1979
	MAXIMUM IN 24 HOURS (IN)	53	12.2	7.6	9.0	6.1	0.1	0.0	T	0.0	T	1.8	7.2	10.2	12.2
	YEAR OF OCCURRENCE		1979	1944	1946	1982	1966		1990		1992	1967	1951	1973	JAN 1979
	MAXIMUM SNOW DEPTH (IN)	90	20	17	10	10	0	0	0	0	30	3	7	13	30
	YEAR OF OCCURRENCE		1979	1979	1960	1982					1907	1929	1975	1973	SEP 1907
	NORMAL NO. DAYS WITH:														
	SNOWFALL ≥ 1.0	30	2.4	1.7	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.*	0.4	2.1	8.2

PRECIPITATION (inches) 1997 PEORIA, IL (PIA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
1975	2.59	2.85	1.73	3.92	5.19	3.90	4.26	5.62	2.74	3.63	2.75	2.04	41.22
1976	0.78	2.56	4.25	4.86	5.11	2.92	2.98	2.30	1.78	2.48	0.83	0.38	31.23
1977	1.22	0.95	4.41	1.24	3.54	2.06	3.43	7.28	6.26	4.00	1.77	2.25	38.41
1978	0.69	0.59	1.56	4.69	7.72	1.96	3.47	1.28	2.32	1.73	2.54	3.54	32.09
1979	2.48	1.37	4.42	4.48	1.96	1.77	4.81	0.87	0.03	1.70	2.76	2.33	28.98
1980	0.59	1.06	2.79	2.78	2.05	8.94	1.43	6.16	4.09	2.44	0.67	2.25	35.25
1981	0.48	2.41	0.92	5.71	5.77	6.22	7.08	5.61	1.31	1.37	1.64	1.24	39.76
1982	2.88	1.13	4.80	5.40	3.15	3.15	7.53	3.97	1.24	1.47	4.95	5.45	45.12
1983	0.53	1.01	2.84	7.06	6.66	4.48	1.99	1.09	5.08	3.01	5.58	2.65	41.98
1984	0.59	2.28	3.95	5.18	4.84	2.90	5.02	0.78	2.38	5.07	3.95	3.82	40.76
1985	0.99	2.62	5.77	1.14	3.14	5.11	3.43	3.70	3.43	4.61	7.62	2.24	43.80
1986	0.22	1.79	0.87	1.39	2.95	6.53	7.00	1.74	6.39	4.64	1.32	2.60	37.44
1987	1.49	0.84	1.98	1.84	1.69	3.27	2.90	4.02	1.62	0.73	2.88	4.15	27.41
1988	1.99	0.71	2.83	1.59	1.68	0.60	0.33	2.11	2.82	1.08	4.19	2.23	22.16
1989	1.00	1.17	1.14	4.39	2.23	1.28	2.22	2.86	2.87	1.57	0.93	0.87	22.53
1990	1.73	3.59	3.95	2.32	6.19	7.99	9.18	5.31	1.03	3.17	7.19	3.70	55.35
1991	1.19	0.57	3.67	2.97	5.94	1.50	0.35	3.41	3.59	7.31	3.57	2.06	36.13
1992	1.06	1.55	2.58	1.61	0.82	0.80	8.19	0.25	5.81	1.33	5.58	2.99	32.57
1993	3.55	1.68	4.08	4.89	3.25	5.70	10.15	7.38	7.56	2.42	2.22	1.19	54.07
1994	0.92	1.98	0.66	3.86	1.52	1.81	1.37	2.92	1.27	3.19	3.49	2.21	25.20
1995	2.83	0.54	1.56	4.77	10.19	1.57	2.83	1.95	1.47	3.23	2.48	0.32	33.74
1996	1.44	0.82	2.04	2.55	7.60	2.08	4.57	1.03	1.62	2.51	2.16	1.06	29.48
1997	1.05	5.37	1.68	2.76	2.65	1.38	0.89	6.10	3.13	2.29	2.85	1.69	31.84
POR= 142 YRS	1.75	1.78	2.78	3.52	3.95	3.81	3.79	3.01	3.59	2.50	2.40	1.99	34.87

WBAN : 14842

AVERAGE TEMPERATURE (˚F) 1997 PEORIA, IL (PIA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	66.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
1975	27.5	26.1	33.8	47.0	64.6	72.1	73.8	74.7	60.9	55.3	44.9	30.2	50.9
1976	19.5	34.9	43.9	54.1	58.2	70.5	75.3	70.3	63.3	47.3	32.0	21.0	49.2
1977	8.6	27.0	44.6	57.1	68.6	70.2	78.2	71.4	66.4	51.3	40.3	22.8	50.5
1978	13.3	15.4	32.4	51.2	60.3	71.3	75.0	73.2	70.5	52.1	41.3	26.8	48.6
1979	9.4	14.7	37.9	47.7	60.5	71.2	73.0	72.5	65.6	52.6	38.0	31.8	47.9
1980	23.6	19.9	35.6	49.2	63.0	69.3	78.5	76.9	67.9	49.6	40.7	28.9	50.3
1981	23.7	27.8	40.7	55.4	58.7	73.2	75.4	72.8	65.9	53.4	45.0	27.3	51.6
1982	15.8	24.8	37.7	46.5	68.4	67.2	75.7	71.3	64.9	55.0	41.5	37.4	50.5
1983	28.2	33.5	40.3	46.8	58.6	72.6	80.2	80.8	67.9	55.3	44.9	15.2	52.0
1984	20.6	35.5	31.3	49.6	58.8	74.3	73.0	74.9	64.0	57.6	40.3	33.9	51.2
1985	16.8	23.2	43.8	57.0	64.3	68.7	73.7	70.2	66.6	55.5	39.0	18.6	49.8
1986	26.6	23.5	43.2	55.4	64.0	72.3	77.4	68.9	68.9	55.2	36.2	30.9	51.9
1987	25.2	35.7	44.1	54.1	68.4	74.0	79.0	73.7	65.7	48.0	44.6	32.4	53.7
1988	22.7	23.5	39.9	51.1	65.4	73.1	78.6	78.5	68.2	48.2	41.5	29.7	51.7
1989	33.9	18.7	39.2	50.7	59.1	69.8	75.3	72.4	62.2	54.9	39.8	16.2	49.4
1990	34.8	33.7	43.4	50.0	57.8	71.0	72.6	72.1	66.1	51.9	45.2	27.7	52.2
1991	21.5	32.4	42.8	55.8	68.0	74.7	75.4	74.3	65.4	53.9	36.0	32.0	52.7
1992	30.1	35.6	42.3	50.0	61.0	69.7	72.4	68.6	64.2	53.1	39.8	29.5	51.4
1993	27.4	25.1	36.4	49.8	63.6	70.4	76.1	75.0	61.4	51.7	39.4	31.4	50.6
1994	18.2	26.2	41.0	53.2	61.7	74.4	74.6	71.6	66.7	56.2	44.8	34.7	51.9
1995	24.1	26.3	42.6	49.3	58.3	72.1	76.2	79.4	62.7	54.2	34.4	27.5	50.6
1996	21.9	28.9	34.0	48.1	60.0	71.1	72.0	73.4	64.4	54.0	33.7	28.7	49.2
1997	19.3	31.9	41.4	47.1	57.1	70.7	75.4	71.5	66.1	54.9	38.1	30.9	50.4
POR= 93 YRS	23.9	27.8	38.7	51.0	61.7	71.3	75.6	73.6	66.1	54.3	40.2	28.4	51.1

HEATING DEGREE DAYS (base 65°F) 1997 PEORIA, IL (PIA)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974-75	0	1	157	354	756	1081	1156	1085	959	534	92	17	6192
1975-76	13	1	171	306	596	1069	1404	868	648	351	221	5	5653
1976-77	0	9	106	556	981	1357	1747	1061	623	273	60	17	6790
1977-78	0	6	39	418	734	1301	1595	1383	1006	405	222	14	7123
1978-79	0	4	49	390	704	1174	1722	1403	833	510	194	10	6993
1979-80	3	19	70	401	804	1022	1279	1300	907	474	123	26	6428
1980-81	0	0	65	470	722	1112	1273	1037	748	295	221	1	5944
1981-82	1	0	60	360	594	1163	1520	1119	839	548	29	28	6261
1982-83	0	13	94	325	697	849	1133	875	758	537	206	17	5504
1983-84	2	0	92	311	595	1541	1371	849	1038	467	206	1	6473
1984-85	1	1	153	246	734	956	1489	1164	656	284	71	38	5793
1985-86	0	6	111	287	774	1432	1184	1156	683	314	92	7	6046
1986-87	0	26	37	305	858	1048	1228	814	640	340	53	2	5351
1987-88	0	16	68	520	609	1001	1306	1198	772	409	64	12	5975
1988-89	0	4	38	517	698	1090	958	1290	796	442	231	25	6089
1989-90	0	3	134	317	749	1509	929	871	672	475	226	16	5901
1990-91	8	3	99	409	589	1148	1341	909	683	285	86	0	5560
1991-92	0	0	143	347	863	1017	1078	847	698	444	180	19	5636
1992-93	0	23	109	367	748	1094	1159	1110	878	450	96	48	6082
1993-94	0	0	135	408	761	1035	1448	1078	734	371	157	12	6139
1994-95	0	8	67	282	602	932	1258	1022	687	466	207	7	5538
1995-96	2	0	133	332	911	1154	1328	1041	954	499	210	28	6592
1996-97	2	0	97	338	930	1120	1412	922	723	530	252	18	6344
1997-	5	3	54	364	802	1051							

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COOLING DEGREE DAYS (base 65°F) 1997 PEORIA, IL (PIA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817
1975	0	0	0	0	83	237	292	307	55	14	0	0	988
1976	0	0	0	28	14	176	326	180	62	14	0	0	800
1977	0	0	0	42	176	179	416	209	88	0	0	0	1110
1978	0	0	0	0	81	208	316	267	221	0	0	0	1093
1979	0	0	0	0	62	206	259	258	95	23	0	0	903
1980	0	0	0	6	70	160	425	378	156	1	0	0	1196
1981	0	0	0	13	33	250	331	250	93	6	1	0	977
1982	0	0	0	0	141	101	338	215	96	26	0	0	917
1983	0	0	0	0	14	250	479	494	188	17	0	0	1442
1984	0	0	0	12	24	285	256	315	129	22	0	0	1043
1985	0	0	3	48	54	155	279	173	164	0	0	0	876
1986	0	0	15	30	68	234	392	157	161	6	0	0	1063
1987	0	0	0	19	166	278	440	293	92	0	3	0	1291
1988	0	0	0	2	84	266	431	428	140	5	0	0	1356
1989	0	0	2	20	56	177	324	240	57	11	0	0	887
1990	0	0	9	34	8	204	251	230	138	9	0	0	883
1991	0	0	4	16	189	296	331	293	159	11	0	0	1299
1992	0	0	0	1	62	171	237	140	90	6	0	0	707
1993	0	0	0	2	60	218	350	321	33	6	0	0	990
1994	0	0	0	25	61	300	307	218	123	16	0	0	1050
1995	0	0	0	0	6	225	355	453	73	5	0	0	1117
1996	0	0	0	0	63	217	224	267	88	5	0	0	864
1997	0	0	0	0	12	199	334	210	94	59	0	0	908

SNOWFALL (inches) 1997 PEORIA, IL (PIA)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2	8.8	12.8	3.8	1.6	0.0	0.0	42.3
1975-76	0.0	0.0	0.0	0.0	8.1	1.4	8.6	2.5	2.0	0.0	0.0	0.0	22.6
1976-77	0.0	0.0	0.0	T	0.4	4.1	16.3	4.1	2.4	1.4	0.0	0.0	28.7
1977-78	0.0	0.0	0.0	0.0	6.4	21.7	7.0	7.0	5.0	0.0	0.0	0.0	47.1
1978-79	0.0	0.0	0.0	0.0	2.6	14.2	24.7	3.6	6.5	T	0.0	0.0	51.6
1979-80	0.0	0.0	0.0	0.0	0.8	0.1	3.7	11.3	5.3	6.3	0.0	0.0	27.5
1980-81	0.0	0.0	0.0	T	4.1	3.3	5.9	10.5	T	0.0	0.0	0.0	23.8
1981-82	0.0	0.0	0.0	0.0	0.1	9.8	11.0	6.1	6.5	13.4	0.0	0.0	46.9
1982-83	0.0	0.0	0.0	0.0	0.9	2.0	5.6	4.8	5.7	0.1	0.0	0.0	19.1
1983-84	0.0	0.0	0.0	0.0	3.3	15.9	6.9	4.1	6.0	0.0	0.0	0.0	36.2
1984-85	0.0	0.0	0.0	0.0	T	0.9	9.8	6.2	T	T	0.0	0.0	16.9
1985-86	0.0	0.0	0.0	0.0	1.0	6.2	1.3	13.9	0.4	0.1	0.0	0.0	22.9
1986-87	0.0	0.0	0.0	0.0	1.0	T	18.0	0.1	T	0.0	0.0	0.0	19.1
1987-88	0.0	0.0	0.0	T	0.3	9.8	1.9	9.7	1.9	0.0	0.0	0.0	23.6
1988-89	0.0	0.0	0.0	0.0	0.7	4.7	0.3	15.2	T	0.9	T	0.0	21.8
1989-90	0.0	0.0	0.0	0.6	T	10.5	4.8	6.2	T	T	0.0	0.0	22.1
1990-91	T	0.0	0.0	T	T	3.8	9.8	1.0	6.9	0.0	0.0	0.0	21.5
1991-92	0.0	0.0	0.0	T	3.6	5.1	6.4	0.4	4.1	T	0.0	0.0	19.6
1992-93	0.0	0.0	T	T	0.7	6.1	6.8	12.4	3.5	0.7	0.0	0.0	30.2
1993-94	0.0	0.0	0.0	T	3.6	2.4	9.4	12.6	T	0.1	0.0	0.0	28.1
1994-95	0.0	0.0	0.0	0.0	T	0.5	3.8	2.8	0.7	T	T	0.0	7.8
1995-96	0.0	0.0	0.0	0.0	0.2	3.6	5.9	1.9	1.1	0.5	0.0	0.0	13.2
1996-97	0.0	0.0	0.0								0.0		
1997-		0.0		T	1.9	13.0							
POR= 52 YRS	T	0.0	T	0.1	2.0	5.9	6.5	5.3	3.8	0.8	0.0	0.0	24.4

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REFERENCE NOTES:

PAGE 1:
THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).

PAGE 2 AND 3:
H/C INDICATES HEATING AND COOLING DEGREE DAYS.
RH INDICATES RELATIVE HUMIDITY
W/O INDICATES WEATHER AND OBSTRUCTIONS
S INDICATES SUNSHINE.
PR INDICATES PRESSURE.
CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).

GENERAL:
T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE.
+ INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES.
BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.
NORMALS ARE 30-YEAR AVERAGES (1961 - 1990).
ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM.
PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH.
POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING.
WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED.
0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05.
CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET.
THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.

GENERAL CONTINUED:
CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS. WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED.
WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH.
RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION.
AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2.
SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL.
A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65° F.
DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR.
DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY.
WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.

ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.

1997
PEORIA, ILLINOIS (PIA)

The airport station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good. The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

June and September are usually the most pleasant months of the year. Then during October or the first of November, Indian Summer is often experienced with an extended period of warm, dry weather.

Precipitation is normally heaviest during the growing season and lowest during midwinter.

The earliest snowfalls have occurred in September and the latest in the spring have occurred as late as May. Heavy snowfalls have rarely exceeded 20 inches.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 20 and the average last occurrence in the spring is April 24.

STATION LOCATION

PEORIA, ILLINOIS

* Type
M = AMOS
T = AUTOB
S = ASOS
W = AWOS

UNIVERSITY OF ILLINOIS-URB
3 0112 032007640

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE SEA LEVEL GROUND TEMPERATURE SITE	ELEVATION ABOVE GROUND WIND INSTRUMENTS	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET RAIN GAGE	WEIGHING RAIN GAGE	8 INCH RAIN GAGE	HYGROTHERMOMETER	AUTOMATIC OBSERVING EQUIPMENT *	REMARKS
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40°41'	89°36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40°41'	89°36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40°41'	89°36'	460										
Corner of Pecan and Meyer	1869	1872	9 blks. WSW	40°41'	89°36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40°41'	89°36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40°41'	89°36'	495										
701 Fourth Street	1889	1905	9 blks. NW	40°42'	89°36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40°43'	89°36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Building Municipal Airport 5 miles WSW of P.O.	3/01/35	5/04/43		40°40'	89°41'	654	b26	6	5				a4			Occasional airwy observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Building Municipal Airport	5/04/43	10/01/59	Not Moved	40°40'	89°41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg Greater Peoria Airport	10/01/59	10/24/79	2300 ft. WNW	40°40'	89°41'	652	20	6 e	6 d31	90	4 d32	4 d33	4 d31	5	NA	d - Moved to roof 12/22/76. e - Removed 12/22/76.
Business Aviation Bldg. Greater Peoria Airport	10/14/79	Present	800 ft.ENE	40°40'	89°41'	652	f20	NA i5	5	f90 h40	f32 g4	f33 g4	f31 g4	f5 j5	NA	f - Not moved 10/24/79. g - Moved to new site 10/27/79. h - Moved to new site 11/7/79. i - Installed 3/10/80. j - Type change 10/17/84.
															S	ASOS Commissioned 10/01/95

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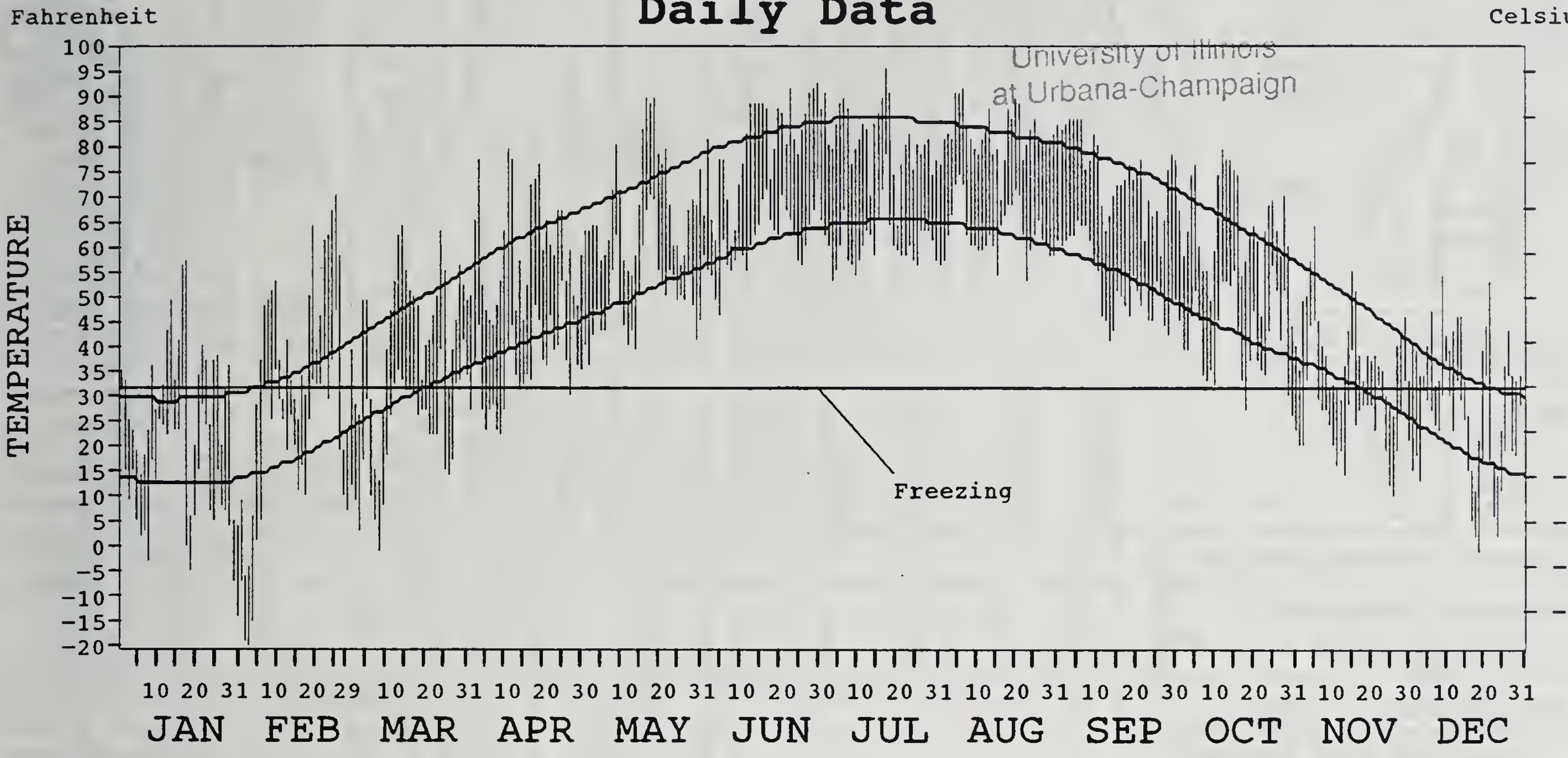

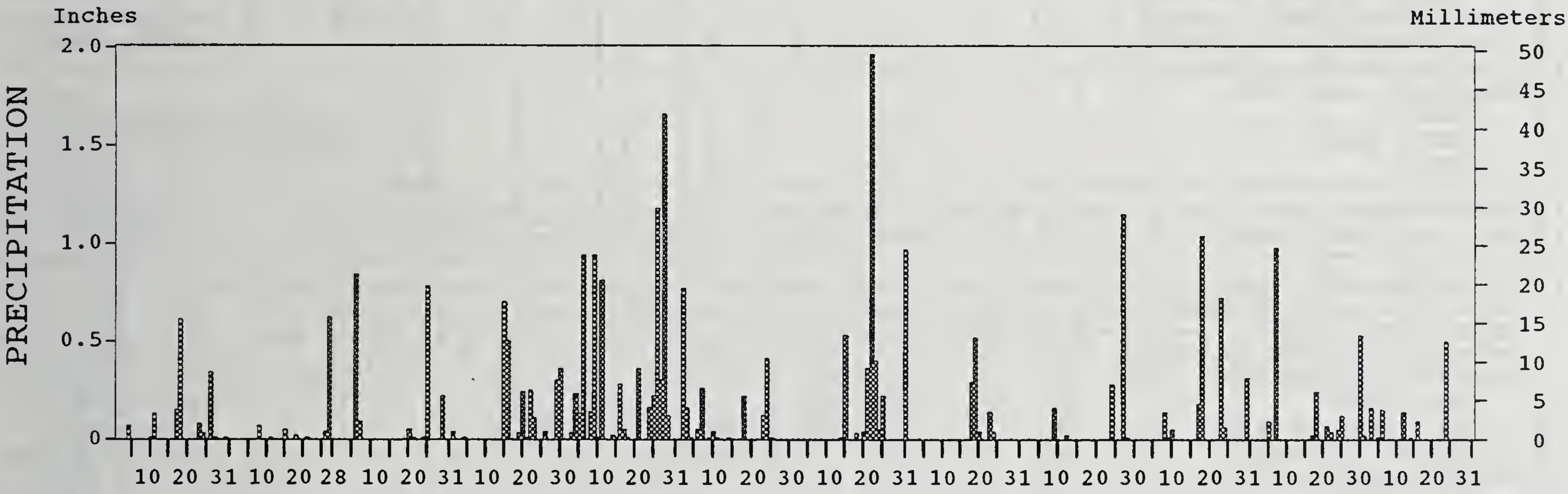

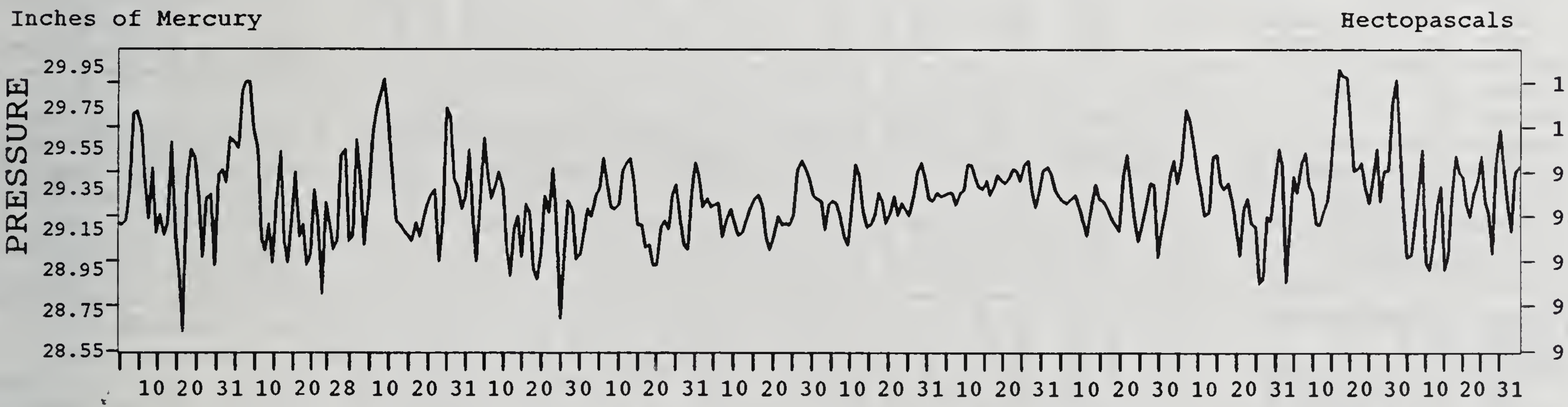

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ENVIRONMENTAL SATELLITE, DATA,
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

ACTING DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 1996

PEORIA, IL (PIA)

LATITUDE:	LONGITUDE:	ELEVATION (FT):		TIME ZONE:	WBAN: 14842
40° 40′ 03″ N	89° 41′ 02″ W	GRND: 652	BARO: 683	CENTRAL (UTC+ 6)	

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	MEAN DAILY MAXIMUM	30.8	38.5	44.4	59.9	69.0	80.5	82.4	83.1	75.3	65.1	40.8	35.8	58.8
	HIGHEST DAILY MAXIMUM	58	71	65	80	90	93	96	92	86	80	65	55	96
	DATE OF OCCURRENCE	18	26	14	11	19	30	18	7	7 +	13	6	10	JUL 18
	MEAN DAILY MINIMUM	13.1	19.3	23.5	36.3	50.9	61.7	61.7	63.6	53.5	42.8	26.6	21.5	39.5
	LOWEST DAILY MINIMUM	−13	−19	0	23	37	47	54	54	42	27	11	0	−19
	DATE OF OCCURRENCE	31	3	8	9	2	5	4	24	14	31	27	20	FEB 3
	AVERAGE DRY BULB	21.9	28.9	34.0	48.1	60.0	71.1	72.0	73.4	64.4	54.0	33.7	28.7	49.2
	MEAN WET BULB	21.7	26.4	29.6	42.1	55.3	65.2	65.0	67.5	58.1	48.8	31.2	27.1	44.8
	MEAN DEW POINT	17.8	20.5	22.1	33.9	51.0	61.5	60.4	64.3	53.6	43.3	26.0	23.5	39.8
	NUMBER OF DAYS WITH:													
	MAXIMUM ≥ 90°	0	0	0	0	2	4	5	4	0	0	0	0	15
	MAXIMUM ≤ 32°	15	11	7	0	0	0	0	0	0	0	6	7	46
	MINIMUM ≤ 32°	31	21	23	10	0	0	0	0	0	3	24	27	139
	MINIMUM ≤ 0°	4	4	1	0	0	0	0	0	0	0	0	1	10
H/C	HEATING DEGREE DAYS	1328	1041	954	499	210	28	2	0	97	338	930	1120	6547
	COOLING DEGREE DAYS	0	0	0	0	63	217	224	267	88	5	0	0	864
RH	MEAN (PERCENT)	82	73	65	61	75	74	69	75	72	70	74	81	73
	HOUR 00 LST	84	76	72	68	80	83	82	86	84	75	77	83	79
	HOUR 06 LST	87	80	78	78	86	87	86	92	90	84	83	84	85
	HOUR 12 LST	77	65	55	51	67	61	56	60	53	59	66	77	62
	HOUR 18 LST	78	68	56	48	66	61	57	63	61	63	71	80	64
S	PERCENT POSSIBLE SUNSHINE													
W/O	NUMBER OF DAYS WITH:													
	HEAVY FOG(VISBY ≤ 1/4 MI)	3	3	1	1	3	1	0	0	1	2	0	6	21
	THUNDERSTORMS	0	2	1	4	14	7	9	2	4	2	1	2	48
CLOUDINESS	SUNRISE-SUNSET: (OKTAS)													
	CEILOMETER (≤ 12,000 FT.)				3	4	3							
	SATELLITE (> 12,000 FT.)			2			2							
	MIDNIGHT-MIDNIGHT: (OKTAS)													
	CEILOMETER (≤ 12,000 FT.)		3		2	4	2							
	SATELLITE (> 12,000 FT.)			2										
	NUMBER OF DAYS WITH:													
	CLEAR		1	5		5	9							
	PARTLY CLOUDY	1		3		1	4							
	CLOUDY	5	6	10		11	9							
PR	MEAN STATION PRESS. (IN.)	29.31	29.29	29.35	29.19	29.25	29.24	29.27	29.38	29.27	29.31	29.47	29.29	29.30
	MEAN SEA-LEVEL PRESS. (IN.)	30.05	30.02	30.08	29.90	29.96	29.94	29.97	30.08	29.97	30.02	30.21	30.02	30.02
WINDS	RESULTANT SPEED (MPH)	1.6	3.9	1.0	2.8	2.7	2.0	0.2	0.9	0.4	1.5	1.5	1.6	0.6
	RES. DIR. (TENS OF DEGS.)	23	26	30	23	10	23	04	14	15	04	10	29	23
	MEAN SPEED (MPH)	10.1	10.0	10.2	10.6	9.5	6.5	6.4	5.6	5.8	8.8	8.1	8.7	8.4
	PREVAIL.DIR.(TENS OF DEGS.)	18	30	17	19	08	19	19	05	06	19	18	28	19
	MAXIMUM 2-MINUTE WIND:													
	SPEED (MPH)	38	33	39	34	32	26	25	21	24	44	28	26	44
	DIR. (TENS OF DEGS.)	23	28	27	24	23	29	24	19	07	27	18	28	27
	DATE OF OCCURRENCE	26	23	25	20	24+	23	18	05	16	30	16	23	OCT 30
	MAXIMUM 5-SECOND WIND:													
	SPEED (MPH)	47	43	52	45	38	43	29	25	29	60	36	33	60
	DIR. (TENS OF DEGS.)	27	27	26	24	08	30	30	19	07	23	16	29	23
	DATE OF OCCURRENCE	29+	10	25	20	27+	23	24+	05	16	29	16	23+	OCT 29
PRECIPITATION	WATER EQUIVALENT:													
	TOTAL (IN.)	1.44	0.82	2.04	2.55	7.60	2.08	4.57	1.03	1.62	2.51	2.16	1.06	29.48
	GREATEST 24-HOUR (IN.)	0.61	0.66	0.84	1.19	1.96	0.77	2.32	0.73	1.16	1.04	0.98	0.50	2.32
	DATE OF OCCURRENCE	18	26–27	5	14–15	26–27	1	20–21	17–18	26–27	17	6–7	23	JUL 20–21
	NUMBER OF DAYS WITH:													
	PRECIPITATION ≥ 0.01	10	7	8	11	20	13	10	5	5	8	10	7	114
	PRECIPITATION ≥ 0.10	4	1	3	7	14	6	6	3	3	5	4	4	60
	PRECIPITATION ≥ 1.00	0	0	0	0	2	0	1	0	1	1	0	0	5
SNOWFALL	SNOW,ICE PELLETS,HAIL:													
	TOTAL (IN.)	5.9	1.9	1.1	0.5	0.0	0.0	0.0	0.0	0.0				
	GREATEST 24-HOUR (IN.)	2.2	1.3	0.7	0.5	0.0	0.0	0.0	0.0	0.0				
	DATE OF OCCURRENCE	11	15	6	15									
	MAXIMUM SNOW DEPTH (IN.)	3	1	1	0	0	0	0	0	0				
	DATE OF OCCURRENCE	12	18+	08+										
	NUMBER OF DAYS WITH:													
	SNOWFALL ≥ 1.0	2	1	0	0	0	0	0	0	0				

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NORMALS, MEANS, AND EXTREMES FOR 1996

PEORIA, IL (PIA)

LATITUDE:	LONGITUDE:	ELEVATION (FT):		TIME ZONE:	WBAN: 14842
40° 40′ 03″ N	89° 41′ 02″ W	GRND: 652	BARO: 683	CENTRAL (UTC+ 6)	

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	29.9	34.9	48.1	62.0	72.8	82.2	85.7	83.1	76.9	64.8	49.8	34.6	60.4
	MEAN DAILY MAXIMUM	91	32.1	36.0	48.2	61.5	72.6	82.2	86.4	84.4	77.2	65.2	49.0	36.0	60.9
	HIGHEST DAILY MAXIMUM	57	70	72	86	92	93	105	103	103	100	90	81	71	105
	YEAR OF OCCURRENCE		1989	1976	1986	1986	1987	1988	1940	1988	1953	1963	1950	1982	JUN 1988
	MEAN OF EXTREME MAXS.	91	52.7	57.7	72.9	82.1	88.2	94.3	96.6	95.0	91.4	83.0	70.3	57.3	78.5
	NORMAL DAILY MINIMUM	30	13.2	17.7	29.8	40.8	50.9	60.7	65.4	63.1	55.2	43.1	32.5	19.3	41.0
	MEAN DAILY MINIMUM	91	15.9	19.4	29.4	40.6	50.8	60.5	64.8	63.0	55.0	43.4	31.5	20.8	41.3
	LOWEST DAILY MINIMUM	57	-25	-19	-10	14	25	39	47	41	26	19	-2	-23	-25
	YEAR OF OCCURRENCE		1977	1996	1960	1982	1966	1993	1972	1986	1942	1972	1977	1989	JAN 1977
	MEAN OF EXTREME MINS.	91	-7.1	-2.5	10.8	25.3	35.4	46.6	53.2	50.2	38.2	27.0	13.9	-1.6	24.1
	NORMAL DRY BULB	30	21.6	26.3	39.0	51.4	61.9	71.5	75.5	73.1	66.1	54.0	41.2	27.0	50.7
	MEAN DRY BULB	91	24.0	27.7	38.7	51.1	61.7	71.3	75.6	73.7	66.1	54.3	40.2	28.4	51.1
	MEAN WET BULB	13	23.3	26.1	36.1	46.0	56.0	64.8	68.6	67.2	59.0	48.1	36.6	26.8	46.5
	MEAN DEW POINT	13	18.9	21.2	30.0	39.1	50.3	60.2	65.1	63.9	54.7	42.7	32.1	22.9	41.8
	NORMAL NO. DAYS WITH:														
	MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.1	0.5	4.7	8.4	5.2	1.6	*	0.0	0.0	20.5
	MAXIMUM ≤ 32°	30	17.4	11.7	3.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.6	12.6	46.6
	MINIMUM ≤ 32°	30	29.4	25.3	19.5	5.9	0.4	0.0	0.0	0.0	0.1	4.7	16.7	26.7	128.7
	MINIMUM ≤ 0°	30	6.7	3.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.9	13.2
H/C	NORMAL HEATING DEG. DAYS	30	1345	1084	806	408	183	11	0	9	54	356	714	1178	6148
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	87	206	326	261	87	15	0	0	982
RH	NORMAL (PERCENT)	30	74	74	70	65	66	67	72	74	73	70	74	78	71
	HOUR 00 LST	30	77	78	76	71	74	76	82	84	82	78	79	81	78
	HOUR 06 LST	30	79	80	81	78	80	81	86	89	88	85	83	83	83
	HOUR 12 LST	30	68	66	62	55	56	56	59	60	59	58	66	72	61
	HOUR 18 LST	30	72	70	64	55	55	56	60	63	64	63	71	76	64
S	PERCENT POSSIBLE SUNSHINE	52	47	50	51	55	60	67	69	67	64	61	43	42	56
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY ≤ 1/4 MI)	54	3.0	2.8	2.2	0.9	0.9	0.6	1.0	1.4	1.4	1.6	2.0	3.3	21.1
	THUNDERSTORMS	54	0.5	0.6	2.6	5.0	6.8	8.3	7.8	6.5	4.8	2.5	1.4	0.6	47.4
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	0						5.6						7.2	
	MIDNIGHT-MIDNIGHT (OKTAS)	0													
	MEAN NO. DAYS WITH:														
	CLEAR	0		1.0	5.0		5.0	9.0							
	PARTLY CLOUDY	1	1.0		3.0		1.0	4.0							
	CLOUDY	1	5.0	6.0	10.0		11.0	9.0							
PR	MEAN STATION PRESSURE(IN.)	24	29.40	29.40	29.30	29.30	29.30	29.30	29.30	29.30	29.30	29.40	29.31	29.40	29.33
	MEAN SEA-LEVEL PRES. (IN.)	13	30.13	30.12	30.05	29.96	29.97	29.96	29.99	30.03	30.05	30.07	30.08	30.14	30.05
WINDS	MEAN SPEED (MPH)	40	11.1	11.0	12.0	11.7	9.7	8.6	7.7	7.4	8.2	9.4	10.8	10.6	9.8
	PREVAIL.DIR(TENS OF DEGS.)	28	18	18	18	18	18	18	18	18	18	18	18	18	18
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	1	38	33	39	34	32	26	25	21	24	44	28	26	44
	DIR. (TENS OF DEGS.)		23	28	27	24	23	29	24	19	70	27	18	28	27
	YEAR OF OCCURRENCE		1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	OCT 1996
	MAXIMUM 5-SECOND:														
	SPEED (MPH)	1	47	43	52	45	38	43	29	25	29	60	36	33	60
	DIR. (TENS OF DEGS.)		27	27	26	24	08	30	30	19	70	23	16	29	23
	YEAR OF OCCURRENCE		1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	OCT 1996
PRECIPITATION	NORMAL TOTAL (IN.)	30	1.51	1.42	2.91	3.77	3.70	3.99	4.20	3.10	3.87	2.65	2.69	2.44	36.25
	MAXIMUM TOTAL (IN.)	57	8.11	5.18	6.95	8.66	10.19	11.69	10.15	8.61	13.09	10.80	7.62	6.34	13.09
	YEAR OF OCCURRENCE		1965	1942	1973	1947	1995	1974	1993	1965	1961	1941	1985	1949	SEP 1961
	MINIMUM TOTAL (IN.)	57	0.22	0.33	0.39	0.71	0.82	0.60	0.33	0.25	0.03	0.03	0.43	0.32	0.03
	YEAR OF OCCURRENCE		1986	1947	1958	1971	1992	1988	1988	1992	1979	1964	1953	1995	SEP 1979
	MAXIMUM IN 24 HOURS (IN.)	53	4.45	1.92	3.39	5.06	3.62	4.44	4.22	4.32	4.15	3.70	4.32	3.38	5.06
	YEAR OF OCCURRENCE		1965	1954	1944	1950	1956	1974	1993	1955	1961	1969	1990	1949	APR 1950
	NORMAL NO. DAYS WITH:														
	PRECIPITATION ≥ 0.01	30	9.5	8.2	11.0	11.6	10.7	9.0	9.1	8.7	9.0	8.4	9.5	10.6	115.3
	PRECIPITATION ≥ 1.00	30	0.3	0.2	0.4	1.0	0.8	1.0	1.4	0.8	1.0	0.5	0.6	0.5	8.5
SNOWFALL	NORMAL TOTAL (IN.)	30	7.3	5.9	3.4	1.2	0.*	0.0	0.0	0.0	0.0	0.1	1.9	6.4	26.2
	MAXIMUM TOTAL (IN.)	53	24.7	15.2	16.9	13.4	0.1	0.0	T	0.0	T	1.8	9.1	21.7	24.7
	YEAR OF OCCURRENCE		1979	1989	1960	1982	1966		1990		1992	1967	1974	1977	JAN 1979
	MAXIMUM IN 24 HOURS (IN.)	53	12.2	7.6	9.0	6.1	0.1	0.0	T	0.0	T	1.8	7.2	10.2	12.2
	YEAR OF OCCURRENCE		1979	1944	1946	1982	1966		1990		1992	1967	1951	1973	JAN 1979
	MAXIMUM SNOW DEPTH (IN.)	90	20	17	10	10	0	0	0	0	30	3	7	13	30
	YEAR OF OCCURRENCE		1979	1979	1960	1982					1907	1929	1975	1973	SEP 1907
	NORMAL NO. DAYS WITH:														
	SNOWFALL ≥ 1.0	30	2.4	1.7	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.*	0.4	2.1	8.2

PRECIPITATION (inches) 1996 PEORIA, ILLINOIS (PIA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
1975	2.59	2.85	1.73	3.92	5.19	3.90	4.26	5.62	2.74	3.63	2.75	2.04	41.22
1976	0.78	2.56	4.25	4.86	5.11	2.92	2.98	2.30	1.78	2.48	0.83	0.38	31.23
1977	1.22	0.95	4.41	1.24	3.54	2.06	3.43	7.28	6.26	4.00	1.77	2.25	38.41
1978	0.69	0.59	1.56	4.69	7.72	1.96	3.47	1.28	2.32	1.73	2.54	3.54	32.09
1979	2.48	1.37	4.42	4.48	1.96	1.77	4.81	0.87	0.03	1.70	2.76	2.33	28.98
1980	0.59	1.06	2.79	2.78	2.05	8.94	1.43	6.16	4.09	2.44	0.67	2.25	35.25
1981	0.48	2.41	0.92	5.71	5.77	6.22	7.08	5.61	1.31	1.37	1.64	1.24	39.76
1982	2.88	1.13	4.80	5.40	3.15	3.15	7.53	3.97	1.24	1.47	4.95	5.45	45.12
1983	0.53	1.01	2.84	7.06	6.66	4.48	1.99	1.09	5.08	3.01	5.58	2.65	41.98
1984	0.59	2.28	3.95	5.18	4.84	2.90	5.02	0.78	2.38	5.07	3.95	3.82	40.76
1985	0.99	2.62	5.77	1.14	3.14	5.11	3.43	3.70	3.43	4.61	7.62	2.24	43.80
1986	0.22	1.79	0.87	1.39	2.95	6.53	7.00	1.74	6.39	4.64	1.32	2.60	37.44
1987	1.49	0.84	1.98	1.84	1.69	3.27	2.90	4.02	1.62	0.73	2.88	4.15	27.41
1988	1.99	0.71	2.83	1.59	1.68	0.60	0.33	2.11	2.82	1.08	4.19	2.23	22.16
1989	1.00	1.17	1.14	4.39	2.23	1.28	2.22	2.86	2.87	1.57	0.93	0.87	22.53
1990	1.73	3.59	3.95	2.32	6.19	7.99	9.18	5.31	1.03	3.17	7.19	3.70	55.35
1991	1.19	0.57	3.67	2.97	5.94	1.50	0.35	3.41	3.59	7.31	3.57	2.06	36.13
1992	1.06	1.55	2.58	1.61	0.82	0.80	8.19	0.25	5.81	1.33	5.58	2.99	32.57
1993	3.55	1.68	4.08	4.89	3.25	5.70	10.15	7.38	7.56	2.42	2.22	1.19	54.07
1994	0.92	1.98	0.66	3.86	1.52	1.81	1.37	2.92	1.27	3.19	3.49	2.21	25.20
1995	2.83	0.54	1.56	4.77	10.19	1.57	2.83	1.95	1.47	3.23	2.48	0.32	33.74
1996	1.44	0.82	2.04	2.55	7.60	2.08	4.57	1.03	1.62	2.51	2.16	1.06	29.48
POR= 141 YRS	1.75	1.75	2.79	3.53	3.96	3.83	3.81	2.99	3.59	2.50	2.40	1.99	34.89

WBAN : 14842

AVERAGE TEMPERATURE (˚F) 1996 PEORIA, ILLINOIS (PIA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	66.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
1975	27.5	26.1	33.8	47.0	64.6	72.1	73.8	74.7	60.9	55.3	44.9	30.2	50.9
1976	19.5	34.9	43.9	54.1	58.2	70.5	75.3	70.3	63.3	47.3	32.0	21.0	49.2
1977	8.6	27.0	44.6	57.1	68.6	70.2	78.2	71.4	66.4	51.3	40.3	22.8	50.5
1978	13.3	15.4	32.4	51.2	60.3	71.3	75.0	73.2	70.5	52.1	41.3	26.8	48.6
1979	9.4	14.7	37.9	47.7	60.5	71.2	73.0	72.5	65.6	52.6	38.0	31.8	47.9
1980	23.6	19.9	35.6	49.2	63.0	69.3	78.5	76.9	67.9	49.6	40.7	28.9	50.3
1981	23.7	27.8	40.7	55.4	58.7	73.2	75.4	72.8	65.9	53.4	45.0	27.3	51.6
1982	15.8	24.8	37.7	46.5	68.4	67.2	75.7	71.3	64.9	55.0	41.5	37.4	50.5
1983	28.2	33.5	40.3	46.8	58.6	72.6	80.2	80.8	67.9	55.3	44.9	15.2	52.0
1984	20.6	35.5	31.3	49.6	58.8	74.3	73.0	74.9	64.0	57.6	40.3	33.9	51.1
1985	16.8	23.2	43.8	57.0	64.3	68.7	73.7	70.2	66.6	55.5	39.0	18.6	49.8
1986	26.6	23.5	43.2	55.4	64.0	72.3	77.4	68.9	68.9	55.2	36.2	30.9	51.9
1987	25.2	35.7	44.1	54.1	68.4	74.0	79.0	73.7	65.7	48.0	44.6	32.4	53.7
1988	22.7	23.5	39.9	51.1	65.4	73.1	78.6	78.5	68.2	48.2	41.5	29.7	51.7
1989	33.9	18.7	39.2	50.7	59.1	69.8	75.3	72.4	62.2	54.9	39.8	16.2	49.4
1990	34.8	33.7	43.4	50.0	57.8	71.0	72.6	72.1	66.1	51.9	45.2	27.7	52.2
1991	21.5	32.4	42.8	55.8	68.0	74.7	75.4	74.3	65.4	53.9	36.0	32.0	52.7
1992	30.1	35.6	42.3	50.0	61.0	69.7	72.4	68.6	64.2	53.1	39.8	29.5	51.4
1993	27.4	25.1	36.4	49.8	63.6	70.4	76.1	75.0	61.4	51.7	39.4	31.4	50.6
1994	18.2	26.2	41.0	53.2	61.7	74.4	74.6	71.6	66.7	56.2	44.8	34.7	51.9
1995	24.1	28.3	42.6	49.3	58.3	72.1	76.2	79.4	62.7	54.2	34.4	27.5	50.8
1996	21.9	28.9	34.0	48.1	60.0	71.1	72.0	73.4	64.4	54.0	33.7	28.7	49.2
POR= 92 YRS	23.9	27.7	38.7	51.0	61.7	71.3	75.6	73.6	66.1	54.3	40.2	28.4	51.0

HEATING DEGREE DAYS (base 65°F) 1996 PEORIA, ILLINOIS (PIA)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974-75	0	1	157	354	756	1081	1156	1085	959	534	92	17	6192
1975-76	13	1	171	306	596	1069	1404	868	648	351	221	5	5653
1976-77	0	9	106	556	981	1357	1747	1061	623	273	60	17	6790
1977-78	0	6	39	418	734	1301	1595	1383	1006	405	222	14	7123
1978-79	0	4	49	390	704	1174	1722	1403	833	510	194	10	6993
1979-80	3	19	70	401	804	1022	1279	1300	907	474	123	26	6428
1980-81	0	0	65	470	722	1112	1273	1037	748	295	221	1	5944
1981-82	1	0	60	360	594	1163	1520	1119	839	548	29	28	6261
1982-83	0	13	94	325	697	849	1133	875	758	537	206	17	5504
1983-84	2	0	92	311	595	1541	1371	849	1038	467	206	1	6473
1984-85	1	1	153	246	734	956	1489	1164	656	284	71	38	5793
1985-86	0	6	111	287	774	1432	1184	1156	683	314	92	7	6046
1986-87	0	26	37	305	858	1048	1228	814	640	340	53	2	5351
1987-88	0	16	68	520	609	1001	1306	1198	772	409	64	12	5975
1988-89	0	4	38	517	698	1090	958	1290	796	442	231	25	6089
1989-90	0	3	134	317	749	1509	929	871	672	475	226	16	5901
1990-91	8	3	99	409	589	1148	1341	909	683	285	86	0	5560
1991-92	0	0	143	347	863	1017	1078	847	698	444	180	19	5636
1992-93	0	23	109	367	748	1094	1159	1110	878	450	96	48	6082
1993-94	0	0	135	408	761	1035	1448	1078	734	371	157	12	6139
1994-95	0	8	67	282	602	932	1258	1022	687	466	207	7	5538
1995-96	2	0	133	332	911	1154	1328	1041	954	499	210	28	6592
1996-	2	0	97	338	930	1120							

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COOLING DEGREE DAYS (base 65°F) 1996 PEORIA, ILLINOIS (PIA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817
1975	0	0	0	0	83	237	292	307	55	14	0	0	988
1976	0	0	0	28	14	176	326	180	62	14	0	0	800
1977	0	0	0	42	176	179	416	209	88	0	0	0	1110
1978	0	0	0	0	81	208	316	267	221	0	0	0	1093
1979	0	0	0	0	62	206	259	258	95	23	0	0	903
1980	0	0	0	6	70	160	425	378	156	1	0	0	1196
1981	0	0	0	13	33	250	331	250	93	6	1	0	977
1982	0	0	0	0	141	101	338	215	96	26	0	0	917
1983	0	0	0	0	14	250	479	494	188	17	0	0	1442
1984	0	0	0	12	24	285	256	315	129	22	0	0	1043
1985	0	0	3	48	54	155	279	173	164	0	0	0	876
1986	0	0	15	30	68	234	392	157	161	6	0	0	1063
1987	0	0	0	19	166	278	440	293	92	0	3	0	1291
1988	0	0	0	2	84	266	431	428	140	5	0	0	1356
1989	0	0	2	20	56	177	324	240	57	11	0	0	887
1990	0	0	9	34	8	204	251	230	138	9	0	0	883
1991	0	0	4	16	189	296	331	293	159	11	0	0	1299
1992	0	0	0	1	62	171	237	140	90	6	0	0	707
1993	0	0	0	2	60	218	350	321	33	6	0	0	990
1994	0	0	0	25	61	300	307	218	123	16	0	0	1050
1995	0	0	0	0	6	225	355	453	73	5	0	0	1117
1996	0	0	0	0	63	217	224	267	88	5	0	0	864

SNOWFALL (inches) 1996 PEORIA, ILLINOIS (PIA)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2	8.8	12.8	3.8	1.6	0.0	0.0	42.3
1975-76	0.0	0.0	0.0	0.0	8.1	1.4	8.6	2.5	2.0	0.0	0.0	0.0	22.6
1976-77	0.0	0.0	0.0	T	0.4	4.1	16.3	4.1	2.4	1.4	0.0	0.0	28.7
1977-78	0.0	0.0	0.0	0.0	6.4	21.7	7.0	7.0	5.0	0.0	0.0	0.0	47.1
1978-79	0.0	0.0	0.0	0.0	2.6	14.2	24.7	3.6	6.5	T	0.0	0.0	51.6
1979-80	0.0	0.0	0.0	0.0	0.8	0.1	3.7	11.3	5.3	6.3	0.0	0.0	27.5
1980-81	0.0	0.0	0.0	T	4.1	3.3	5.9	10.5	T	0.0	0.0	0.0	23.8
1981-82	0.0	0.0	0.0	0.0	0.1	9.8	11.0	6.1	6.5	13.4	0.0	0.0	46.9
1982-83	0.0	0.0	0.0	0.0	0.9	2.0	5.6	4.8	5.7	0.1	0.0	0.0	19.1
1983-84	0.0	0.0	0.0	0.0	3.3	15.9	6.9	4.1	6.0	0.0	0.0	0.0	36.2
1984-85	0.0	0.0	0.0	0.0	T	0.9	9.8	6.2	T	T	0.0	0.0	16.9
1985-86	0.0	0.0	0.0	0.0	1.0	6.2	1.3	13.9	0.4	0.1	0.0	0.0	22.9
1986-87	0.0	0.0	0.0	0.0	1.0	T	18.0	0.1	T	0.0	0.0	0.0	19.1
1987-88	0.0	0.0	0.0	T	0.3	9.8	1.9	9.7	1.9	0.0	0.0	0.0	23.6
1988-89	0.0	0.0	0.0	0.0	0.7	4.7	0.3	15.2	T	0.9	T	0.0	21.8
1989-90	0.0	0.0	0.0	0.6	T	10.5	4.8	6.2	T	T	0.0	0.0	22.1
1990-91	T	0.0	0.0	T	T	3.8	9.8	1.0	6.9	0.0	0.0	0.0	21.5
1991-92	0.0	0.0	0.0	T	3.6	5.1	6.4	0.4	4.1	T	0.0	0.0	19.6
1992-93	0.0	0.0	T	T	0.7	6.1	6.8	12.4	3.5	0.7	0.0	0.0	30.2
1993-94	0.0	0.0	0.0	T	3.6	2.4	9.4	12.6	T	0.1	0.0	0.0	28.1
1994-95	0.0	0.0	0.0	0.0	T	0.5	3.8	2.8	0.7	T	T	0.0	7.8
1995-96	0.0	0.0	0.0	0.0	0.2	3.6	5.9	1.9	1.1	0.5	0.0	0.0	13.2
1996-	0.0	0.0	0.0										
POR= 52 YRS	T	0.0	T	0.1	2.0	5.8	6.5	5.3	3.8	0.8	0.0	0.0	24.3

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REFERENCE NOTES:

PAGE 1:
THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).

PAGE 2 AND 3:
H/C INDICATES HEATING AND COOLING DEGREE DAYS.
RH INDICATES RELATIVE HUMIDITY
W/O INDICATES WEATHER AND OBSTRUCTIONS
S INDICATES SUNSHINE.
PR INDICATES PRESSURE.
CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).

GENERAL:
T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE.
+ INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES.
BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.
NORMALS ARE 30-YEAR AVERAGES (1961 - 1990).
ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM.
PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH.
POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING.
WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED.
0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05.
CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET.
THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.

GENERAL CONTINUED:
CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS. WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED.
WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH.
RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION.
AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2.
SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL.
A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65° F.
DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR.
DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY.
WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.

ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.

1996
PEORIA, ILLINOIS (PIA)

The airport station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good. The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

June and September are usually the most pleasant months of the year. Then during October or the first of November, Indian Summer is often experienced with an extended period of warm, dry weather.

Precipitation is normally heaviest during the growing season and lowest during midwinter.

The earliest snowfalls have occurred in September and the latest in the spring have occurred as late as May. Heavy snowfalls have rarely exceeded 20 inches.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 20 and the average last occurrence in the spring is April 24.

STATION LOCATION

PEORIA, ILLINOIS

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE SEA LEVEL: GROUND TEMPERATURE SITE	ELEVATION ABOVE GROUND: WIND INSTRUMENTS	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET RAIN GAGE	WEIGHING RAIN GAGE	8 INCH RAIN GAGE	HYGROTHERMOMETER	AUTOMATIC OBSERVING EQUIPMENT *	REMARKS
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40°41'	89°36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40°41'	89°36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40°41'	89°36'	460										
Corner of Pecan and Meyer	1869	1872	9 blks. WSW	40°41'	89°36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40°41'	89°36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40°41'	89°36'	495										
701 Fourth Street	1889	1905	9 blks. NW	40°42'	89°36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40°43'	89°36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Building Municipal Airport 5 miles WSW of P.O.	3/01/35	5/04/43		40°40'	89°41'	654	b26	6	5				a4			Occasional airwy observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Building Municipal Airport	5/04/43	10/01/59	Not Moved	40°40'	89°41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg Greater Peoria Airport	10/01/59	10/24/79	2300 ft. WNW	40°40'	89°41'	652	20	6 e	6 d31	90	4 d32	4 d33	4 d31	5	NA	d - Moved to roof 12/22/76. e - Removed 12/22/76.
Business Aviation Bldg. Greater Peoria Airport	10/14/79	Present	800 ft.ENE	40°40'	89°41'	652	f20	NA i5	5	f90 h40	f32 g4	f33 g4	f31 g4	f5 j5	NA	f - Not moved 10/24/79. g - Moved to new site 10/27/79. h - Moved to new site 11/7/79. i - Installed 3/10/80. j - Type change 10/17/84.
															S	ASOS Commissioned 10/01/95

* Type

M = AMOS
T = AUTOB
S = ASOS
W = AWOS

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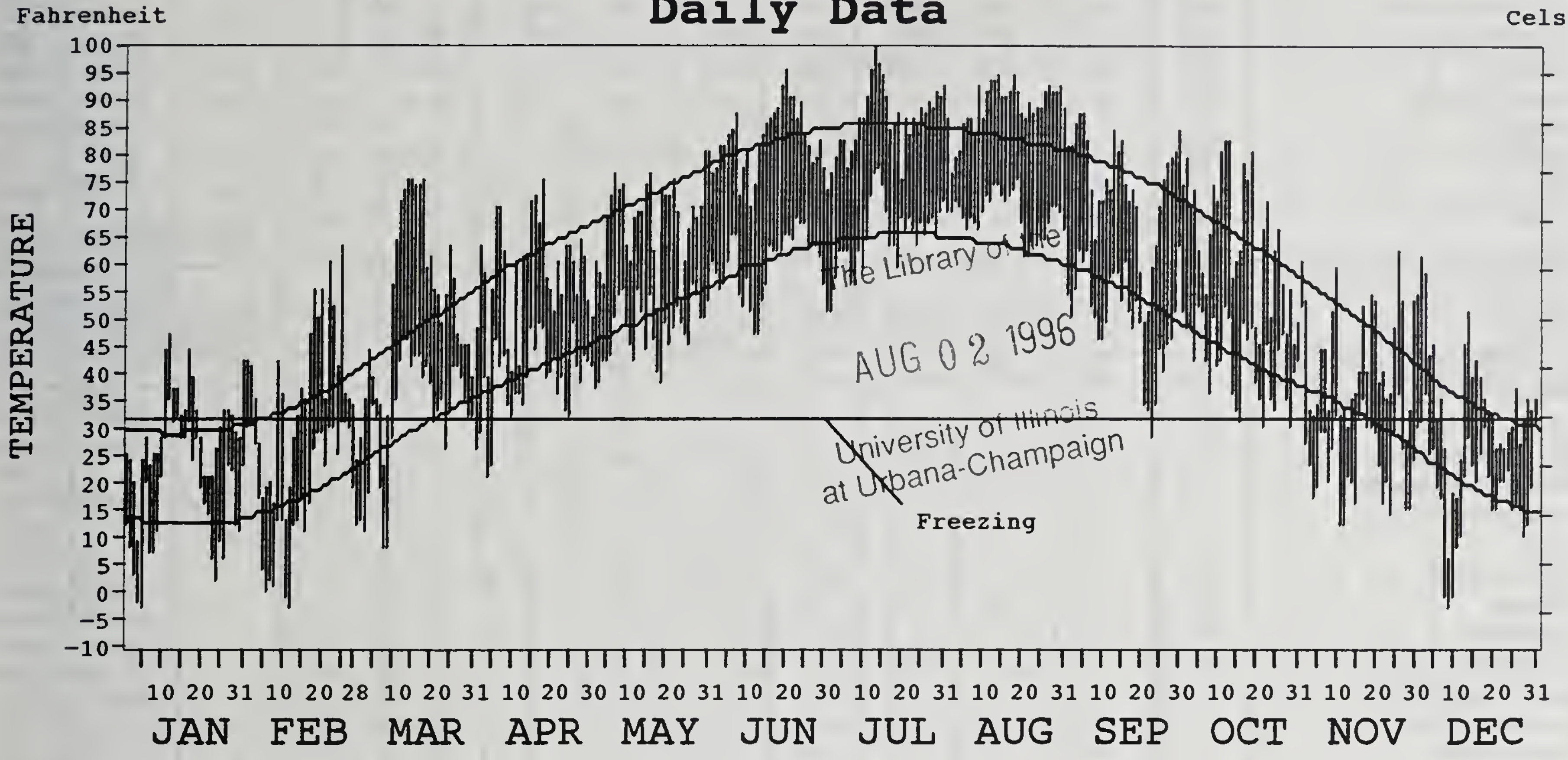
1995 LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

DEPARTMENT OF COMMERCE · UNITED STATES OF AMERICA

ISSN 0198-1889

PEORIA,
ILLINOIS (PIA)

Daily Data



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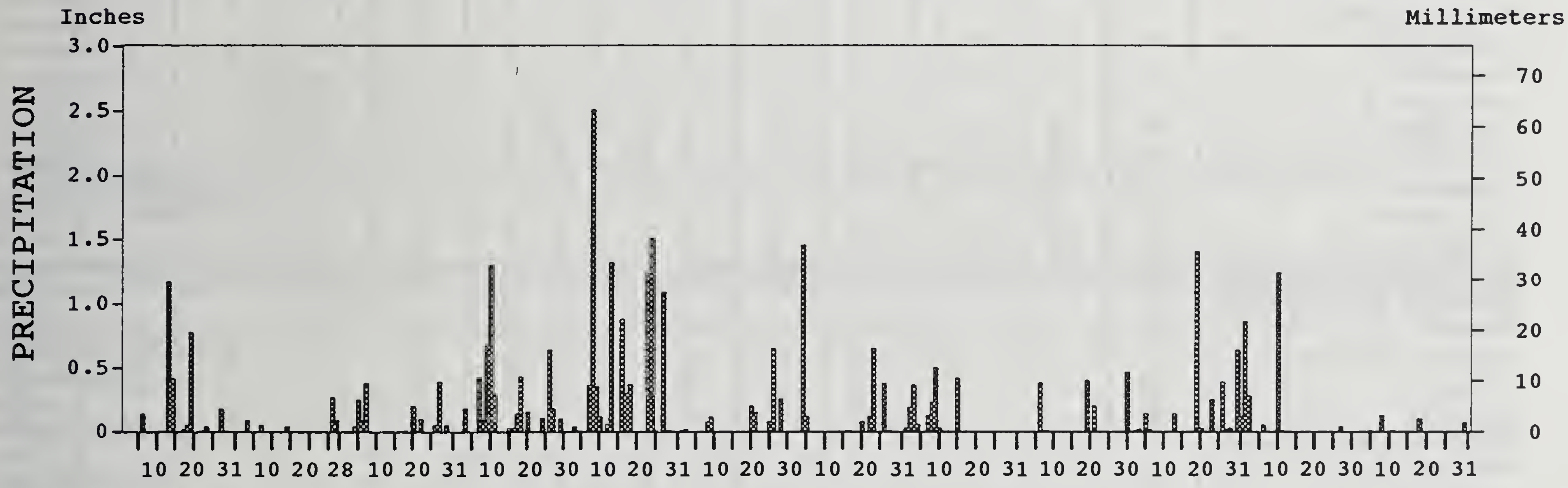

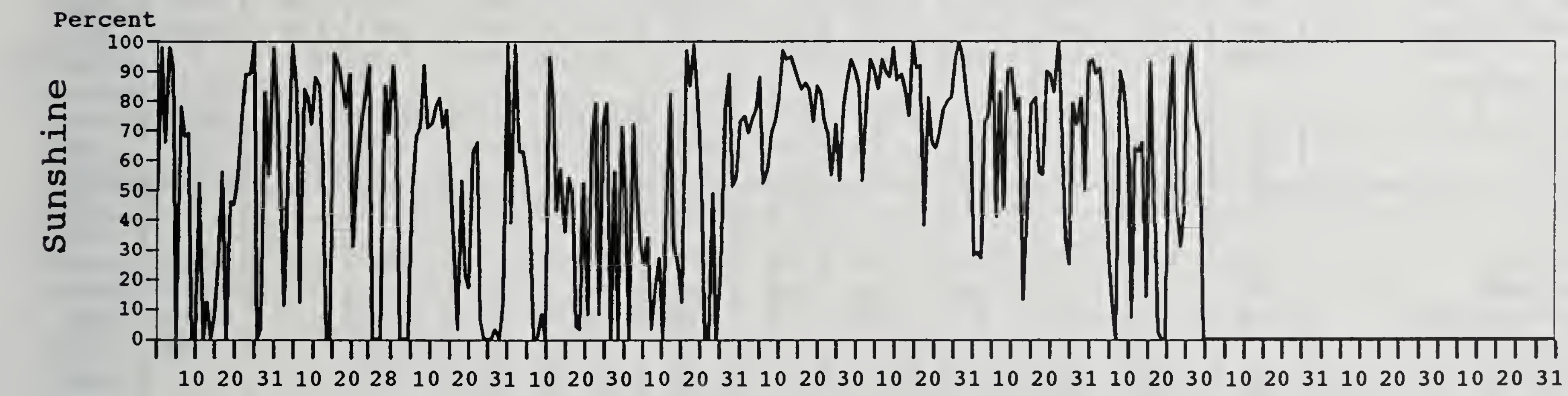

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METEOROLOGICAL DATA FOR 1995

PEORIA, ILLINOIS

LATITUDE: 40° 40' N LONGITUDE: 89° 41' W ELEVATION: FT. GRND 652 BARO 675 TIME ZONE: CENTRAL WBAN: 14842

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F										**ASOS**	**ASOS**	**ASOS**	
Averages													
–Daily Maximum	30.7	37.5	52.7	59.4	68.3	83.5	86.9	89.3	74.7	65.4	43.4	35.5	60.6
–Daily Minimum	17.5	19.1	32.5	39.1	48.2	60.6	65.5	69.5	50.7	43.0	25.3	19.5	40.9
–Monthly	24.1	28.3	42.6	49.3	58.3	72.1	76.2	79.4	62.7	54.2	34.4	27.5	50.8
–Monthly Dewpt.	18.2	18.2	31.4	37.7	50.5	61.7	66.4	70.5	50.8	44.1	27.6	21.0	41.5
Extremes													
–Highest	48	64	76	76	81	96	100	95	88	83	63	62	100
–Date	12	25	18	18	31	20	13	18	5	13	26	2	JUL 13
–Lowest	–2	–2	9	22	38	48	52	62	29	31	13	–2	–2
–Date	5	12	9	4	2	13	2	22	23	29	12	9	DEC 9
DEGREE DAYS BASE 65 °F													
Heating	1258	1022	687	466	207	7	2	0	133	332	911	1154	6179
Cooling	0	0	0	0	6	225	355	453	73	5	0	0	1117
% OF POSSIBLE SUNSHINE	49	58	44	44	41	76	84	65	57	60	47	47	57
AVG. SKY COVER (tenths)													
Sunrise – Sunset	7.4	5.6	7.6	7.6	7.8	6.1	4.1	4.6	5.3				
Midnight – Midnight	6.7	5.7	7.0	7.5	7.4	5.9	3.8	4.2	4.6				
NUMBER OF DAYS:													
Sunrise to Sunset													
–Clear	6	10	5	3	5	8	16	13	12				
–Partly Cloudy	4	7	7	8	6	11	7	9	7				
–Cloudy	21	11	19	19	20	11	8	9	11				
Precipitation													
.01 inches or more	11	5	10	15	17	9	8	9	6	13	6	5	114
Snow,Ice Pellets,Hail													
1.0 inches or more	1	2	0	0	0	0	0	0	0	0	0	1	4
Thunderstorms	0	0	2	5	8	10	8	4	2	2	2	1	44
Heavy Fog, visibility													
1/4 mile or less	3	1	0	2	0	3	0	0	1	4	0	4	18
Temperature F °													
–Maximum													
90° and above	0	0	0	0	0	5	10	16	0	0	0	0	31
32° and below	18	8	3	0	0	0	0	0	0	0	2	13	44
–Minimum													
32° and below	29	28	10	4	0	0	0	0	1	3	25	30	130
0 ° and below	2	2	0	0	0	0	0	0	0	0	0	3	7
AVG. STATION PRESS. (mb)	993.1	994.2	995.3	988.5	989.2	990.5	990.0	991.2	994.2	989.5	992.9	997.0	992.2
RELATIVE HUMIDITY (%)													
Hour 00	82	75	73	75	86	85	86	88	82	81	80	81	81
Hour 06 (Local Time)	84	79	84	80	89	89	91	94	88	88	86	84	86
Hour 12	73	57	57	57	65	58	57	62	51	58	66	68	61
Hour 18	78	63	57	61	68	59	60	69	60	67	74	74	66
PRECIPITATION (inches):													
Water Equivalent													
–Total	2.83	0.54	1.56	4.77	10.19	1.57	2.83	1.95	1.47	3.23	2.48	0.32	33.74
–Greatest (24 hrs)	1.54	0.36	0.47	1.41	2.65	0.65	1.56	0.53	0.47	1.43	1.25	0.13	2.65
–Date	13–14	26–27	6– 7	9–10	23–24	26	4– 5	9–10	30	19–20	10–11	8	MAY 23–24
Snow,Ice pellets,Hail													
–Total	3.8	2.8	0.7	T	T	0.0	0.0	0.0	0.0	0.0	0.2	3.6	11.1
–Greatest (24 hrs)	1.6	1.2	0.7	T	T	0.0	0.0	0.0	0.0	0.0	0.1	2.1	2.1
–Date	6	3	7	12	13						27	8	DEC 8
WIND:													
Resultant													
–Direction (!!)	314	298	205	173	135	236	221	187	157	229	247	310	247
–Speed (mph)	3.2	4.3	1.2	0.6	0.8	0.6	3.6	1.6	1.1	4.2	3.6	1.6	1.5
Average Speed (mph)	10.6	11.1	10.6	11.8	9.1	6.5	7.0	5.5	7.6	9.3	9.4	9.0	9.0
Fastest Obs. 2 Min.													
–Direction (!!)	01	33	28	24	06	08	30	26	17	24	19	29	24
–Speed (mph)	28	32	29	35	28	18	32	25	23	39	31	32	39
–Date	19	23	20	18	18	8	4	15	30	23	9	5	OCT 23
Peak Gust													
–Direction (!!)	NE	NW	W	SW	E	NW	NW	NE	S	24	19	32	24
–Speed (mph)	38	45	40	52	43	37	37	36	33	56	46	46	56
–Date	28	23	20	18	8	26	4	9	30	23	9	5	OCT 23

(!!) See Reference Notes on Page 6B

NORMALS, MEANS, AND EXTREMES

PEORIA, ILLINOIS

LATITUDE: 40° 40' N LONGITUDE: 89° 41' W ELEVATION: FT. GRND 652 BARO 675 TIME ZONE: CENTRAL WBAN: 14842

	(a)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F														
Normals														
-Daily Maximum		29.9	34.9	48.1	62.0	72.8	82.2	85.7	83.1	76.9	64.8	49.8	34.6	60.4
-Daily Minimum		13.2	17.7	29.8	40.8	50.9	60.7	65.4	63.1	55.2	43.1	32.5	19.3	41.0
-Monthly		21.6	26.3	39.0	51.4	61.9	71.5	75.5	73.1	66.1	54.0	41.2	27.0	50.7
Extremes														
-Record Highest	56	70	72	86	92	93	105	103	103	100	90	81	71	105
-Year		1989	1976	1986	1986	1987	1988	1940	1988	1953	1963	1950	1982	JUN 1988
-Record Lowest	56	-25	-18	-10	14	25	39	47	41	26	19	-2	-23	-25
-Year		1977	1979	1960	1982	1966	1993	1972	1986	1942	1972	1977	1989	JAN 1977
NORMAL DEGREE DAYS:														
Heating (base 65 °F)		1345	1084	806	408	183	11	0	9	54	356	714	1178	6148
Cooling (base 65 °F)		0	0	0	0	87	206	326	261	87	15	0	0	982
% OF POSSIBLE SUNSHINE	52	47	50	51	55	60	67	69	67	64	61	43	42	56
MEAN SKY COVER(tenths)														
Sunrise - Sunset	52	6.8	6.7	7.0	6.8	6.4	6.0	5.5	5.5	5.3	5.4	6.8	7.0	6.3
MEAN NUMBER OF DAYS:														
Sunrise to Sunset														
-Clear	52	7.3	6.8	6.0	6.2	7.2	7.2	9.1	10.0	10.9	11.1	6.8	6.7	95.3
-Partly Cloudy	52	5.8	5.8	7.3	8.0	9.5	10.7	11.7	10.5	8.6	7.7	6.0	5.8	97.5
-Cloudy	52	17.8	15.7	17.6	15.8	14.3	12.2	10.2	10.5	10.5	12.2	17.2	18.5	172.5
Precipitation														
.01 inches or more	56	9.3	8.2	10.9	11.9	11.3	9.5	8.9	8.4	8.6	8.0	9.3	9.7	114.1
Snow,Ice Pellets,Hail														
1.0 inches or more	52	2.2	1.8	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.*	0.6	1.8	8.0
Thunderstorms	52	0.6	0.6	2.6	5.1	6.6	8.3	7.9	6.6	4.9	2.5	1.4	0.6	47.7
Heavy Fog Visibility														
1/4 mile or less	52	3.0	2.8	2.3	0.9	0.9	0.6	1.0	1.4	1.4	1.6	2.0	3.4	21.2
Temperature °F														
-Maximum														
90° and above	36	0.0	0.0	0.0	0.1	0.4	4.6	8.1	5.6	1.8	0.*	0.0	0.0	20.5
32° and below	36	17.0	11.5	3.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.9	12.2	46.3
-Minimum														
32° and below	36	29.3	25.5	19.3	5.7	0.4	0.0	0.0	0.0	0.1	4.5	17.0	26.6	128.3
0° and below	36	6.1	3.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.7	12.1
AV. STATION PRES.(mb)	23	995.4	995.1	991.9	990.8	990.7	990.9	992.1	993.3	993.9	994.1	993.6	995.3	993.1
RELATIVE HUMIDITY (%)														
Hour 00	36	78	79	76	72	75	77	83	84	82	78	80	81	79
Hour 06 (Local Time)	36	79	81	82	79	81	82	87	89	88	85	84	83	83
Hour 12	36	69	67	62	56	56	56	59	61	58	57	66	72	62
Hour 18	36	73	71	64	56	56	56	61	64	64	63	71	76	65
PRECIPITATION (ins):														
Water Equivalent														
-Normal		1.51	1.42	2.91	3.77	3.70	3.99	4.20	3.10	3.87	2.65	2.69	2.44	36.25
-Maximum Monthly	56	8.11	5.18	6.95	8.66	10.19	11.69	10.15	8.61	13.09	10.80	7.62	6.34	13.09
-Year		1965	1942	1973	1947	1995	1974	1993	1965	1961	1941	1985	1949	SEP 1961
-Minimum Monthly	56	0.22	0.33	0.39	0.71	0.82	0.60	0.33	0.25	0.03	0.03	0.43	0.32	0.03
-Year		1986	1947	1958	1971	1992	1988	1988	1992	1979	1964	1953	1995	SEP 1979
-Maximum in 24 hrs	52	4.45	1.92	3.39	5.06	3.62	4.44	4.22	4.32	4.15	3.70	4.32	3.38	5.06
-Year		1965	1954	1944	1950	1956	1974	1993	1955	1961	1969	1990	1949	APR 1950
Snow,Ice Pellets,Hail														
-Maximum Monthly	52	24.7	15.2	16.9	13.4	0.1	0.0	T	0.0	T	1.8	9.1	21.7	24.7
-Year		1979	1989	1960	1982	1966		1990		1992	1967	1974	1977	JAN 1979
-Maximum in 24 hrs	52	12.2	7.6	9.0	6.1	0.1	0.0	T	0.0	T	1.8	7.2	10.2	12.2
-Year		1979	1944	1946	1982	1966		1990		1992	1967	1951	1973	JAN 1979
WIND:														
Mean Speed (mph)	52	11.1	11.1	12.0	11.8	9.9	8.9	7.8	7.5	8.3	9.4	10.9	10.8	10.0
Prevailing Direction through 1963		S	WNW	WNW	S	S	S	S	S	S	S	S	S	S
Fastest Obs. 2 Min.														
-Direction (!!)	10	30	31	25	36	31	30	26	01	29	24	20	06	20
-Speed (mph)		37	37	46	37	35	44	40	33	35	39	48	46	48
-Year		1985	1990	1991	1989	1991	1987	1990	1987	1992	1995	1988	1987	NOV 1988
Peak Gust														
-Direction (!!)	12	NW	NW	W	N	NW	NW	W	NW	W	24	S	NE	W
-Speed (mph)	12	53	53	68	69	61	63	67	54	75	56	62	59	75
-Date		1985	1990	1991	1989	1992	1987	1992	1990	1991	1995	1988	1987	SEP 1991

(!!) See Reference Notes on Page 6B

PRECIPITATION (inches) PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
1975	2.59	2.85	1.73	3.92	5.19	3.90	4.26	5.62	2.74	3.63	2.75	2.04	41.22
1976	0.78	2.56	4.25	4.86	5.11	2.92	2.98	2.30	1.78	2.48	0.83	0.38	31.23
1977	1.22	0.95	4.41	1.24	3.54	2.06	3.43	7.28	6.26	4.00	1.77	2.25	38.41
1978	0.69	0.59	1.56	4.69	7.72	1.96	3.47	1.28	2.32	1.73	2.54	3.54	32.09
1979	2.48	1.37	4.42	4.48	1.96	1.77	4.81	0.87	0.03	1.70	2.76	2.33	28.98
1980	0.59	1.06	2.79	2.78	2.05	8.94	1.43	6.16	4.09	2.44	0.67	2.25	35.25
1981	0.48	2.41	0.92	5.71	5.77	6.22	7.08	5.61	1.31	1.37	1.64	1.24	39.76
1982	2.88	1.13	4.80	5.40	3.15	3.15	7.53	3.97	1.24	1.47	4.95	5.45	45.12
1983	0.53	1.01	2.84	7.06	6.66	4.48	1.99	1.09	5.08	3.01	5.58	2.65	41.98
1984	0.59	2.28	3.95	5.18	4.84	2.90	5.02	0.78	2.38	5.07	3.95	3.82	40.76
1985	0.99	2.62	5.77	1.14	3.14	5.11	3.43	3.70	3.43	4.61	7.62	2.24	43.80
1986	0.22	1.79	0.87	1.39	2.95	6.53	7.00	1.74	6.39	4.64	1.32	2.60	37.44
1987	1.49	0.84	1.98	1.84	1.69	3.27	2.90	4.02	1.62	0.73	2.88	4.15	27.41
1988	1.99	0.71	2.83	1.59	1.68	0.60	0.33	2.11	2.82	1.08	4.19	2.23	22.16
1989	1.00	1.17	1.14	4.39	2.23	1.28	2.22	2.86	2.87	1.57	0.93	0.87	22.53
1990	1.73	3.59	3.95	2.32	6.19	7.99	9.18	5.31	1.03	3.17	7.19	3.70	55.35
1991	1.19	0.57	3.67	2.97	5.94	1.50	0.35	3.41	3.59	7.31	3.57	2.06	36.13
1992	1.06	1.55	2.58	1.61	0.82	0.80	8.19	0.25	5.81	1.33	5.58	2.99	32.57
1993	3.55	1.68	4.08	4.89	3.25	5.70	10.15	7.38	7.56	2.42	2.22	1.19	54.07
1994	0.92	1.98	0.66	3.86	1.52	1.81	1.37	2.92	1.27	3.19	3.49	2.21	25.20
1995	2.83	0.54	1.56	4.77	10.19	1.57	2.83	1.95	1.47	3.23	2.48	0.32	33.74
Record Mean	1.75	1.76	2.80	3.53	3.93	3.84	3.85	3.09	3.66	2.51	2.42	2.06	35.21

(!!) See Reference Notes on Page 6B

AVERAGE TEMPERATURE (deg. F) PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	66.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
1975	27.5	26.1	33.8	47.0	64.6	72.1	73.8	74.7	60.9	55.3	44.9	30.2	50.9
1976	19.5	34.9	43.9	54.1	58.2	70.5	75.3	70.3	63.3	47.3	32.0	21.0	49.2
1977	8.6	27.0	44.6	57.1	68.6	70.2	78.2	71.4	66.4	51.3	40.3	22.8	50.5
1978	13.3	15.4	32.4	51.2	60.3	71.3	75.0	73.2	70.5	52.1	41.3	26.8	48.6
1979	9.4	14.7	37.9	47.7	60.5	71.2	73.0	72.5	65.6	52.6	38.0	31.8	47.9
1980	23.6	19.9	35.6	49.2	63.0	69.3	78.5	76.9	67.9	49.6	40.7	28.9	50.2
1981	23.7	27.8	40.7	55.4	58.7	73.2	75.4	72.8	65.9	53.4	45.0	27.3	51.6
1982	15.8	24.8	37.7	46.5	68.4	67.2	75.7	71.3	64.9	55.0	41.5	37.4	50.5
1983	28.2	33.5	40.3	46.8	58.6	72.6	80.2	80.8	67.9	55.3	44.9	15.2	52.0
1984	20.6	35.5	31.3	49.6	58.8	74.3	73.0	74.9	64.0	57.6	40.3	33.9	51.2
1985	16.8	23.2	43.8	57.0	64.3	68.7	73.7	70.2	66.6	55.5	39.0	18.6	49.8
1986	26.6	23.5	43.2	55.4	64.0	72.3	77.4	68.9	68.9	55.2	36.2	30.9	51.9
1987	25.2	35.7	44.1	54.1	68.4	74.0	79.0	73.7	65.7	48.0	44.6	32.4	53.7
1988	22.7	23.5	39.9	51.1	65.4	73.1	78.6	78.5	68.2	48.2	41.5	29.7	51.7
1989	33.9	18.7	39.2	50.7	59.1	69.8	75.3	72.4	62.2	54.9	39.8	16.2	49.4
1990	34.8	33.7	43.4	50.0	57.8	71.0	72.6	72.1	66.1	51.9	45.2	27.7	52.2
1991	21.5	32.4	42.8	55.8	68.0	74.7	75.4	74.3	65.4	53.9	36.0	32.0	52.7
1992	30.1	35.6	42.3	50.0	61.0	69.7	72.4	68.6	64.2	53.1	39.8	29.5	51.4
1993	27.4	25.1	36.4	49.8	63.6	70.4	76.1	75.0	61.4	51.7	39.4	31.4	50.6
1994	18.2	26.2	41.0	53.2	61.7	74.4	74.6	71.6	66.7	56.2	44.8	34.7	51.9
1995	24.1	28.3	42.6	49.3	58.3	72.1	76.2	79.4	62.7	54.2	34.4	27.5	50.8
Record Mean	23.9	27.7	38.8	51.0	61.7	71.3	75.6	73.7	66.1	54.3	40.3	28.4	51.1
Max	32.0	36.0	48.1	61.5	72.7	82.2	86.4	84.3	77.2	65.2	49.1	35.9	60.9
Min	15.8	19.4	29.5	40.6	50.7	60.5	64.8	63.0	55.0	43.4	31.6	20.8	41.3

(!!) See Reference Notes on Page 6B

HEATING DEGREE DAYS Base 65 deg. F PEORIA, ILLINOIS

SEASON	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1966–67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967–68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968–69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969–70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970–71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971–72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972–73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973–74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974–75	0	1	157	354	756	1081	1156	1085	959	534	92	17	6192
1975–76	13	1	171	306	596	1069	1404	868	648	351	221	5	5653
1976–77	0	9	106	556	981	1357	1747	1061	623	273	60	17	6790
1977–78	0	6	39	418	734	1301	1595	1383	1006	405	222	14	7123
1978–79	0	4	49	390	704	1174	1722	1403	833	510	194	10	6993
1979–80	3	19	70	401	804	1022	1279	1300	907	474	123	26	6428
1980–81	0	0	65	470	722	1112	1273	1037	748	295	221	1	5944
1981–82	1	0	60	360	594	1163	1520	1119	839	548	29	28	6261
1982–83	0	13	94	325	697	849	1133	875	758	537	206	17	5504
1983–84	2	0	92	311	595	1541	1371	849	1038	467	206	1	6473
1984–85	1	1	153	246	734	956	1489	1164	656	284	71	38	5793
1985–86	0	6	111	287	774	1432	1184	1156	683	314	92	7	6046
1986–87	0	26	37	305	858	1048	1228	814	640	340	53	2	5351
1987–88	0	16	68	520	609	1001	1306	1198	772	409	64	12	5975
1988–89	0	4	38	517	698	1090	958	1290	796	442	231	25	6089
1989–90	0	3	134	317	749	1509	929	871	672	475	226	16	5901
1990–91	8	3	99	409	589	1148	1341	909	683	285	86	0	5560
1991–92	0	0	143	347	863	1017	1078	847	698	444	180	19	5636
1992–93	0	23	109	367	748	1094	1159	1110	878	450	96	48	6082
1993–94	0	0	135	408	761	1035	1448	1078	734	371	157	12	6139
1994–95	0	8	67	282	602	932	1258	1022	687	466	207	7	5538
1995–96	2	0	133	332	911	1154							

(!!) See Reference Notes on Page 6B

COOLING DEGREE DAYS Base 65 deg. F PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817
1975	0	0	0	0	83	237	292	307	55	14	0	0	988
1976	0	0	0	28	14	176	326	180	62	14	0	0	800
1977	0	0	0	42	176	179	416	209	88	0	0	0	1110
1978	0	0	0	0	81	208	316	267	221	0	0	0	1093
1979	0	0	0	0	62	206	259	258	95	23	0	0	903
1980	0	0	0	6	70	160	425	378	156	1	0	0	1196
1981	0	0	0	13	33	250	331	250	93	6	1	0	977
1982	0	0	0	0	141	101	338	215	96	26	0	0	917
1983	0	0	0	0	14	250	479	494	188	17	0	0	1442
1984	0	0	0	12	24	285	256	315	129	22	0	0	1043
1985	0	0	3	48	54	155	279	173	164	0	0	0	876
1986	0	0	15	30	68	234	392	157	161	6	0	0	1063
1987	0	0	0	19	166	278	440	293	92	0	3	0	1291
1988	0	0	0	2	84	266	431	428	140	5	0	0	1356
1989	0	0	2	20	56	177	324	240	57	11	0	0	887
1990	0	0	9	34	8	204	251	230	138	9	0	0	883
1991	0	0	4	16	189	296	331	293	159	11	0	0	1299
1992	0	0	0	1	62	171	237	140	90	6	0	0	707
1993	0	0	0	2	60	218	350	321	33	6	0	0	990
1994	0	0	0	25	61	300	307	218	123	16	0	0	1050
1995	0	0	0	0	6	225	355	453	73	5	0	0	1117

(!!) See Reference Notes on Page 6B

SNOWFALL (inches) PEORIA, ILLINOIS

SEASON	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2	8.8	12.8	3.8	1.6	0.0	0.0	42.3
1975-76	0.0	0.0	0.0	0.0	8.1	1.4	8.6	2.5	2.0	0.0	0.0	0.0	22.6
1976-77	0.0	0.0	0.0	T	0.4	4.1	16.3	4.1	2.4	1.4	0.0	0.0	28.7
1977-78	0.0	0.0	0.0	0.0	6.4	21.7	7.0	7.0	5.0	0.0	0.0	0.0	47.1
1978-79	0.0	0.0	0.0	0.0	2.6	14.2	24.7	3.6	6.5	T	0.0	0.0	51.6
1979-80	0.0	0.0	0.0	0.0	0.8	0.1	3.7	11.3	5.3	6.3	0.0	0.0	27.5
1980-81	0.0	0.0	0.0	T	4.1	3.3	5.9	10.5	T	0.0	0.0	0.0	23.8
1981-82	0.0	0.0	0.0	0.0	0.1	9.8	11.0	6.1	6.5	13.4	0.0	0.0	46.9
1982-83	0.0	0.0	0.0	0.0	0.9	2.0	5.6	4.8	5.7	0.1	0.0	0.0	19.1
1983-84	0.0	0.0	0.0	0.0	3.3	15.9	6.9	4.1	6.0	0.0	0.0	0.0	36.2
1984-85	0.0	0.0	0.0	0.0	T	0.9	9.8	6.2	T	T	0.0	0.0	16.9
1985-86	0.0	0.0	0.0	0.0	1.0	6.2	1.3	13.9	0.4	0.1	0.0	0.0	22.9
1986-87	0.0	0.0	0.0	0.0	1.0	T	18.0	0.1	T	0.0	0.0	0.0	19.1
1987-88	0.0	0.0	0.0	T	0.3	9.8	1.9	9.7	1.9	0.0	0.0	0.0	23.6
1988-89	0.0	0.0	0.0	0.0	0.7	4.7	0.3	15.2	T	0.9	T	0.0	21.8
1989-90	0.0	0.0	0.0	0.6	T	10.5	4.8	6.2	T	T	0.0	0.0	22.1
1990-91	T	0.0	0.0	T	T	3.8	9.8	1.0	6.9	0.0	0.0	0.0	21.5
1991-92	0.0	0.0	0.0	T	3.6	5.1	6.4	0.4	4.1	T	0.0	0.0	19.6
1992-93	0.0	0.0	T	T	0.7	6.1	6.8	12.4	3.5	0.7	0.0	0.0	30.2
1993-94	0.0	0.0	0.0	T	3.6	2.4	9.4	12.6	T	0.1	0.0	0.0	28.1
1994-95	0.0	0.0	0.0	0.0	T	0.5	3.8	2.8	0.7	T	T	0.0	7.8
1995-96	0.0	0.0	0.0	0.0	0.2	3.6							
Record Mean	T	0.0	T	0.1	2.0	5.8	6.6	5.5	4.0	0.8	T	0.0	24.7

(!!) See Reference Notes on Page 6B

REFERENCE NOTES PEORIA, ILLINOIS

GENERAL

T - TRACE AMOUNT.
BLANK ENTRIES DENOTE MISSING/UNREPORTED DATA.
# INDICATES A STATION OR INSTRUMENT RELOCATION.
SEE STATION LOCATION TABLE ON PAGE 8.

SPECIFIC

PAGE 2
PM - INCLUDES LAST DAY OF PREVIOUS MONTH
ASOS - AUTOMATED SURFACE OBSERVING SYSTEM IN OPERATION DURING THESE MONTHS.

PAGE 3
(a) - LENGTH OF RECORD IN YEARS, ALTHOUGH INDIVIDUAL MONTHS MAY BE MISSING.
0.* OR * - THE VALUE IS BETWEEN 0.0 AND 0.05
NORMALS - BASED ON THE 1961-1990 RECORD PERIOD.
EXTREMES - DATES ARE THE MOST RECENT OCCURRENCE
WIND DIR.- NUMERALS SHOW TENS OF DEGREES CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM.
RESULTANT DIRECTIONS ARE GIVEN TO WHOLE DEGREES.
BOLD VALUES INDICATE EXTREME VALUES WHICH OCCURRED AFTER THE ASOS SYSTEM WAS COMMISSIONED.

PAGE 4B
RECORD = PERIOD OF RECORD
RECORD MEAN PRECIPITATION IS THE MEAN OF ALL DAILY PRECIPITATION AMOUNTS DURING THE PERIOD OF RECORD.
RECORD MAX(MIN) TEMPERATURE IS THE MEAN OF ALL DAILY MAX(MIN) TEMPERATURES DURING THE PERIOD OF RECORD.
RECORD MEAN TEMPERATURE IS THE SUM OF THE RECORD MAX AND RECORD MIN DIVIDED BY 2.
AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAX AND MIN TEMPERATURE DIVIDED BY 2.

EXCEPTIONS

PAGES 4A, 4B, 6A
RECORD MEANS ARE THROUGH THE CURRENT YEAR, BEGINNING IN 1905 FOR TEMPERATURE
1856 FOR PRECIPITATION
1944 FOR SNOWFALL

1995
PEORIA,
ILLINOIS (PIA)

The airport station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good. The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

June and September are usually the most pleasant months of the year. Then during October or the first of November, Indian Summer is often experienced with an extended period of warm, dry weather.

Precipitation is normally heaviest during the growing season and lowest during midwinter.

The earliest snowfalls have occurred in September and the latest in the spring have occurred as late as May. Heavy snowfalls have rarely exceeded 20 inches.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 20 and the average last occurrence in the spring is April 24.

STATION LOCATION

PEORIA, ILLINOIS

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE SEA LEVEL GROUND TEMPERATURE SITE	ELEVATION ABOVE GROUND WIND INSTRUMENTS	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET RAIN GAGE	WEIGHING RAIN GAGE	8 INCH RAIN GAGE	HYGROTHERMOMETER	AUTOMATIC OBSERVING EQUIPMENT *	REMARKS
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40°41′	89°36′	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40°41′	89°36′	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40°41′	89°36′	460										
Corner of Pecan and Meyer	1869	1872	9 blks. WSW	40°41′	89°36′	502										
202 Liberty Street	1873	1884	11 blks. ENE	40°41′	89°36′	473										
315 Harrison Street	1885	1888	1 blk. NW	40°41′	89°36′	495										
701 Fourth Street	1889	1905	9 blks. NW	40°42′	89°36′	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40°43′	89°36′	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Building Municipal Airport 5 miles WSW of P.O.	3/01/35	5/04/43		40°40′	89°41′	654	b26	6	5				a4			Occasional airwy observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Building Municipal Airport	5/04/43	10/01/59	Not Moved	40°40′	89°41′	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg Greater Peoria Airport	10/01/59	10/24/79	2300 ft. WNW	40°40′	89°41′	652	20	6 e	6 d31	90	4 d32	4 d33	4 d31	5	NA	d - Moved to roof 12/22/76. e - Removed 12/22/76.
Business Aviation Bldg. Greater Peoria Airport	10/14/79	Present	800 ft.ENE	40°40′	89°41′	652	f20	NA i5	5	f90 h40	f32 g4	f33 g4	f31 g4	f5 j5	NA	f - Not moved 10/24/79. g - Moved to new site 10/27/79. h - Moved to new site 11/7/79. i - Installed 3/10/80. j - Type change 10/17/84. ASOS Commissioned 10/01/95

* Type

M = AMOS
T = AUTOB
S = ASOS
W = AWOS

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1994 LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

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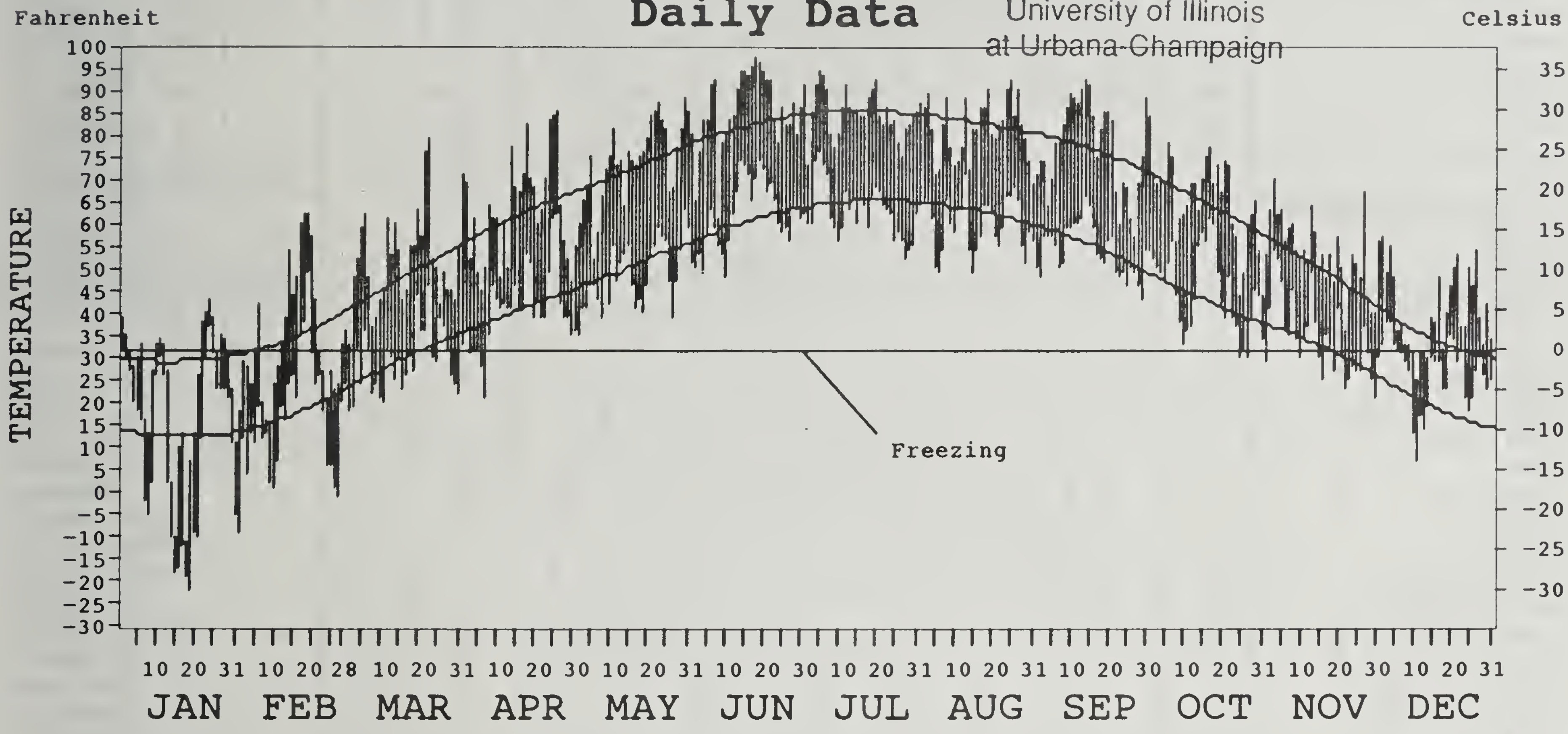
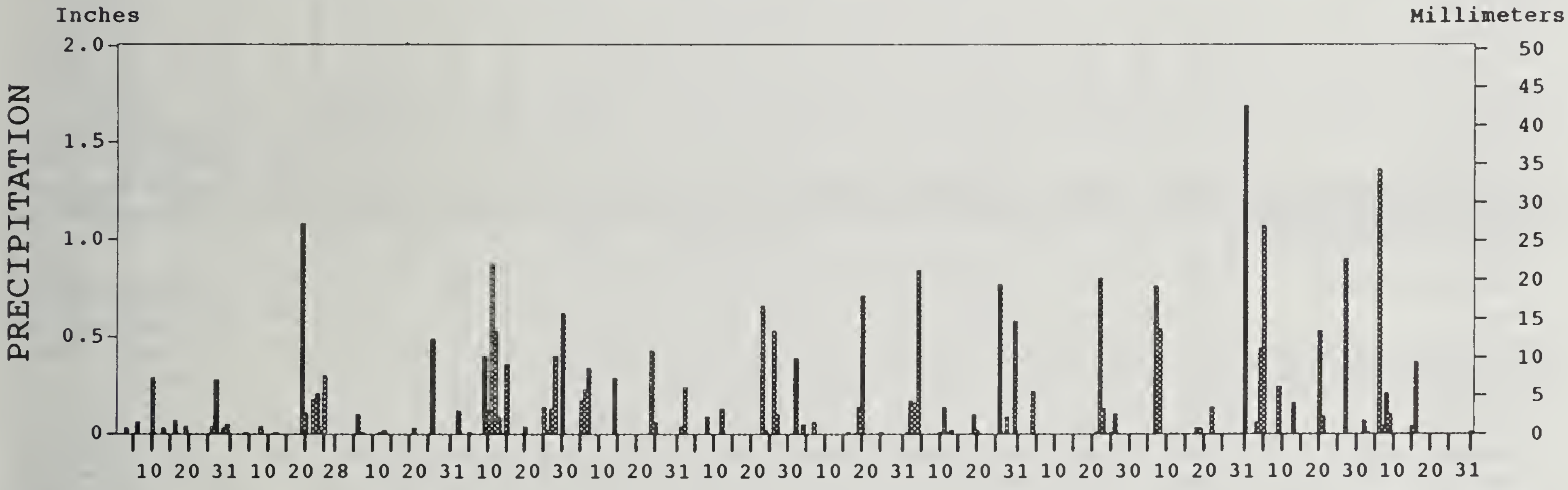
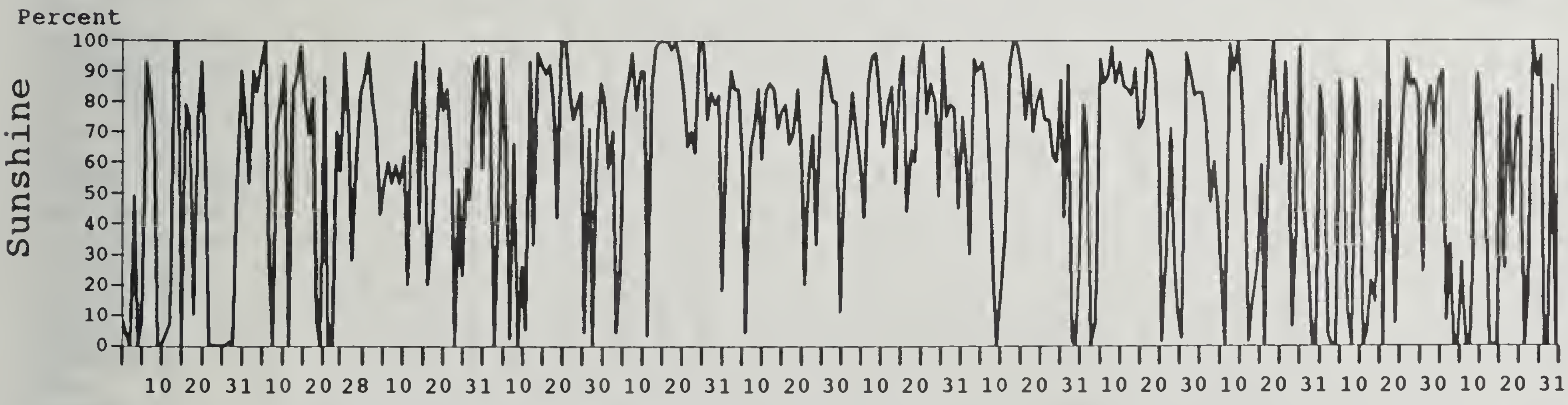
PEORIA,
ILLINOIS (PIA)

Daily Data







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METEOROLOGICAL DATA FOR 1994

PEORIA, ILLINOIS

LATITUDE: 40° 40' N LONGITUDE: 89° 41' W ELEVATION: FT. GRND 652 BARO 675 TIME ZONE: CENTRAL WBAN: 14842

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F													
Averages													
-Daily Maximum	25.3	35.4	52.1	64.6	74.5	86.2	85.7	82.5	78.4	66.6	54.4	42.0	62.3
-Daily Minimum	11.0	16.9	29.9	41.7	48.8	62.5	63.5	60.6	54.9	45.8	35.2	27.3	41.5
-Monthly	18.2	26.2	41.0	53.2	61.7	74.4	74.6	71.6	66.7	56.2	44.8	34.7	51.9
-Monthly Dewpt.	13.5	18.3	30.2	38.3	47.9	60.8	64.1	62.0	54.8	44.2	36.5	29.1	41.6
Extremes													
-Highest	44	63	80	86	89	98	95	93	93	85	71	58	98
-Date	24	19	23	26	30	18	5	25	14	1	3	2	JUN 18
-Lowest	-21	-8	19	22	36	49	53	50	44	31	22	8	-21
-Date	19	1	2	7	2	10	28	15	29	27	30	11	JAN 19
DEGREE DAYS BASE 65 °F													
Heating	1448	1078	734	371	157	12	0	8	67	282	602	932	5691
Cooling	0	0	0	25	61	300	307	218	123	16	0	0	1050
% OF POSSIBLE SUNSHINE	34	60	61	61	77	69	73	64	66	53	50	41	61
AVG. SKY COVER (tenths)													
Sunrise - Sunset	7.0	5.8	6.1	6.0	4.8	5.9	5.8	6.0	5.3	6.1	5.8	7.6	6.0
Midnight - Midnight	7.1	5.6	5.5	5.5	4.3	5.4	5.4	5.4	4.8	5.7	5.8	7.3	5.7
NUMBER OF DAYS:													
Sunrise to Sunset													
-Clear	8	8	8	8	11	7	9	8	10	9	10	6	102
-Partly Cloudy	3	7	9	8	13	13	11	10	10	7	7	4	102
-Cloudy	20	13	14	14	7	10	11	13	10	15	13	21	161
Precipitation													
.01 inches or more	10	9	6	14	6	8	7	13	6	6	8	9	102
Snow,Ice Pellets,Hail													
1.0 inches or more	4	4	0	0	0	0	0	0	0	0	0	0	8
Thunderstorms	0	0	1	4	3	8	7	9	0	2	4	1	39
Heavy Fog, visibility													
1/4 mile or less	6	2	1	0	0	0	1	1	3	1	0	5	20
Temperature F °													
-Maximum													
90° and above	0	0	0	0	0	12	8	5	4	0	0	0	29
32° and below	19	15	0	0	0	0	0	0	0	0	0	5	39
-Minimum													
32° and below	29	25	20	3	0	0	0	0	0	2	14	23	116
0 °and below	11	2	0	0	0	0	0	0	0	0	0	0	13
AVG. STATION PRESS. (mb)	998.3	997.3	992.2	991.9	993.2	989.8	991.2	993.2	993.2	993.6	993.2	998.0	993.9
RELATIVE HUMIDITY (%)													
Hour 00	82	78	77	69	73	77	85	85	82	76	82	87	79
Hour 06 (Local Time)	82	81	83	77	83	83	88	90	90	82	87	89	85
Hour 12	76	64	54	53	49	52	57	60	52	54	64	74	59
Hour 18	79	72	58	53	50	54	61	64	60	61	67	81	63
PRECIPITATION (inches):													
Water Equivalent													
-Total	0.92	1.98	0.66	3.86	1.52	1.81	1.37	2.92	1.27	3.19	3.49	2.21	25.20
-Greatest (24 hrs)	0.29	1.19	0.49	1.36	0.49	0.66	0.71	1.00	0.88	1.69	1.08	1.38	1.69
-Date	10	19-20	26-27	11-12	6- 7	23	20	3- 4	22-23	30-31	4- 5	6- 7	OCT 30-31
Snow,Ice pellets,Hail													
-Total	9.4	12.6	T	0.1	0.0	0.0	0.0	0.0	0.0	0.0	T	0.5	22.6
-Greatest (24 hrs)	3.0	6.3	T	0.1	0.0	0.0	0.0	0.0	0.0	0.0	T	0.3	6.3
-Date	10	24-25	30	5							30	15	FEB 24-25
WIND:													
Resultant													
-Direction (!!)	286	254	281	211	262	274	247	211	239	180	209	095	239
-Speed (mph)	2.6	0.5	3.1	2.0	0.6	0.6	2.6	1.5	2.3	1.5	3.2	0.5	1.4
Average Speed (mph)	10.8	10.9	10.2	12.2	8.3	8.0	8.3	7.9	6.6	9.2	11.0	8.8	9.4
Fastest Obs. 1 Min.													
-Direction (!!)	28	28	31	29	34	33	21	36	21	03	20	31	20
-Speed (mph)	23	31	29	32	25	22	25	30	18	23	37	22	37
-Date	28	25	18	15	25	29	7	4	15	31	20	10	NOV 20
Peak Gust													
-Direction (!!)	NW	NE	NW	NW	N	NE	SW	N	N	NE	W	S	NW
-Speed (mph)	33	44	43	49	35	35	36	41	28	37	47	29	49
-Date	18	22	18	15	25	26	20	4	28	31	27	1	APR 15

(!!) See Reference Notes on Page 6B

NORMALS, MEANS, AND EXTREMES

PEORIA, ILLINOIS

LATITUDE: 40° 40' N LONGITUDE: 89° 41' W ELEVATION: FT. GRND 652 BARO 675 TIME ZONE: CENTRAL WBAN: 14842

	(a)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F														
Normals														
-Daily Maximum		29.9	34.9	48.1	62.0	72.8	82.2	85.7	83.1	76.9	64.8	49.8	34.6	60.4
-Daily Minimum		13.2	17.7	29.8	40.8	50.9	60.7	65.4	63.1	55.2	43.1	32.5	19.3	41.0
-Monthly		21.6	26.3	39.0	51.4	61.9	71.5	75.5	73.1	66.1	54.0	41.2	27.0	50.7
Extremes														
-Record Highest	55	70	72	86	92	93	105	103	103	100	90	81	71	105
-Year		1989	1976	1986	1986	1987	1988	1940	1988	1953	1963	1950	1982	JUN 1988
-Record Lowest	55	-25	-18	-10	14	25	39	47	41	26	19	-2	-23	-25
-Year		1977	1979	1960	1982	1966	1993	1972	1986	1942	1972	1977	1989	JAN 1977
NORMAL DEGREE DAYS:														
Heating (base 65 °F)		1345	1084	806	408	183	11	0	9	54	356	714	1178	6148
Cooling (base 65 °F)		0	0	0	0	87	206	326	261	87	15	0	0	982
% OF POSSIBLE SUNSHINE	51	47	50	51	55	60	67	68	67	65	61	43	42	56
MEAN SKY COVER(tenths)														
Sunrise - Sunset	51	6.8	6.7	7.0	6.7	6.3	6.0	5.6	5.5	5.3	5.4	6.8	7.0	6.3
MEAN NUMBER OF DAYS:														
Sunrise to Sunset														
-Clear	51	7.4	6.7	6.0	6.3	7.3	7.1	8.9	10.0	10.9	11.1	6.8	6.7	95.2
-Partly Cloudy	51	5.8	5.8	7.4	8.0	9.6	10.7	11.8	10.5	8.6	7.7	6.0	5.8	97.7
-Cloudy	51	17.8	15.7	17.6	15.8	14.1	12.2	10.2	10.5	10.5	12.2	17.2	18.5	172.4
Precipitation														
.01 inches or more	55	9.3	8.3	10.9	11.8	11.2	9.5	8.9	8.4	8.7	7.9	9.4	9.8	114.1
Snow,Ice Pellets,Hail														
1.0 inches or more	51	2.2	1.7	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.*	0.6	1.9	8.1
Thunderstorms	51	0.6	0.6	2.6	5.1	6.6	8.3	7.9	6.7	4.9	2.5	1.4	0.6	47.7
Heavy Fog Visibility														
1/4 mile or less	51	3.0	2.8	2.3	0.9	0.9	0.6	1.0	1.4	1.4	1.5	2.1	3.4	21.3
Temperature °F														
-Maximum														
90° and above	35	0.0	0.0	0.0	0.1	0.5	4.6	8.0	5.3	1.8	0.*	0.0	0.0	20.2
32° and below	35	17.0	11.6	3.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.9	12.2	46.4
-Minimum														
32° and below	35	29.3	25.4	19.5	5.7	0.4	0.0	0.0	0.0	0.1	4.6	16.7	26.5	128.3
0° and below	35	6.3	3.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.7	12.3
AV. STATION PRES.(mb)	22	995.5	995.2	991.8	990.9	990.8	990.9	992.2	993.4	993.9	994.3	993.7	995.2	993.1
RELATIVE HUMIDITY (%)														
Hour 00	35	78	79	77	72	75	77	82	84	82	78	80	81	79
Hour 06 (Local Time)	35	79	81	81	79	81	82	87	89	88	85	84	83	83
Hour 12	35	69	67	62	56	56	56	59	60	59	57	66	72	62
Hour 18	35	73	71	64	56	56	56	61	64	64	63	71	77	65
PRECIPITATION (ins):														
Water Equivalent														
-Normal		1.51	1.42	2.91	3.77	3.70	3.99	4.20	3.10	3.87	2.65	2.69	2.44	36.25
-Maximum Monthly	55	8.11	5.18	6.95	8.66	7.96	11.69	10.15	8.61	13.09	10.80	7.62	6.34	13.09
-Year		1965	1942	1973	1947	1957	1974	1993	1965	1961	1941	1985	1949	SEP 1961
-Minimum Monthly	55	0.22	0.33	0.39	0.71	0.82	0.60	0.33	0.25	0.03	0.03	0.43	0.33	0.03
-Year		1986	1947	1958	1971	1992	1988	1988	1992	1979	1964	1953	1962	SEP 1979
-Maximum in 24 hrs	51	4.45	1.92	3.39	5.06	3.62	4.44	4.22	4.32	4.15	3.70	4.32	3.38	5.06
-Year		1965	1954	1944	1950	1956	1974	1993	1955	1961	1969	1990	1949	APR 1950
Snow,Ice Pellets,Hail														
-Maximum Monthly	51	24.7	15.2	16.9	13.4	0.1	0.0	T	0.0	T	1.8	9.1	21.7	24.7
-Year		1979	1989	1960	1982	1966		1990		1992	1967	1974	1977	JAN 1979
-Maximum in 24 hrs	51	12.2	7.6	9.0	6.1	0.1	0.0	T	0.0	T	1.8	7.2	10.2	12.2
-Year		1979	1944	1946	1982	1966		1990		1992	1967	1951	1973	JAN 1979
WIND:														
Mean Speed (mph)	51	11.1	11.1	12.0	11.8	9.9	8.9	7.8	7.6	8.3	9.4	11.0	10.8	10.0
Prevailing Direction through 1963		S	WNW	WNW	S	S	S	S	S	S	S	S	S	S
Fastest Obs. 1 Min.														
-Direction (!!)	9	30	31	25	36	31	30	26	01	29	27	20	06	20
-Speed (mph)		37	37	46	37	35	44	40	33	35	31	48	46	48
-Year		1985	1990	1991	1989	1991	1987	1990	1987	1992	1985	1988	1987	NOV 1988
Peak Gust														
-Direction (!!)	11	NW	NW	W	N	NW	NW	W	NW	W	W	S	NE	W
-Speed (mph)	11	53	53	68	69	61	63	67	54	75	48	62	59	75
-Date		1985	1990	1991	1989	1992	1987	1992	1990	1991	1985	1988	1987	SEP 1991

(!!) See Reference Notes on Page 6B

PRECIPITATION (inches) PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
1975	2.59	2.85	1.73	3.92	5.19	3.90	4.26	5.62	2.74	3.63	2.75	2.04	41.22
1976	0.78	2.56	4.25	4.86	5.11	2.92	2.98	2.30	1.78	2.48	0.83	0.38	31.23
1977	1.22	0.95	4.41	1.24	3.54	2.06	3.43	7.28	6.26	4.00	1.77	2.25	38.41
1978	0.69	0.59	1.56	4.69	7.72	1.96	3.47	1.28	2.32	1.73	2.54	3.54	32.09
1979	2.48	1.37	4.42	4.48	1.96	1.77	4.81	0.87	0.03	1.70	2.76	2.33	28.98
1980	0.59	1.06	2.79	2.78	2.05	8.94	1.43	6.16	4.09	2.44	0.67	2.25	35.25
1981	0.48	2.41	0.92	5.71	5.77	6.22	7.08	5.61	1.31	1.37	1.64	1.24	39.76
1982	2.88	1.13	4.80	5.40	3.15	3.15	7.53	3.97	1.24	1.47	4.95	5.45	45.12
1983	0.53	1.01	2.84	7.06	6.66	4.48	1.99	1.09	5.08	3.01	5.58	2.65	41.98
1984	0.59	2.28	3.95	5.18	4.84	2.90	5.02	0.78	2.38	5.07	3.95	3.82	40.76
1985	0.99	2.62	5.77	1.14	3.14	5.11	3.43	3.70	3.43	4.61	7.62	2.24	43.80
1986	0.22	1.79	0.87	1.39	2.95	6.53	7.00	1.74	6.39	4.64	1.32	2.60	37.44
1987	1.49	0.84	1.98	1.84	1.69	3.27	2.90	4.02	1.62	0.73	2.88	4.15	27.41
1988	1.99	0.71	2.83	1.59	1.68	0.60	0.33	2.11	2.82	1.08	4.19	2.23	22.16
1989	1.00	1.17	1.14	4.39	2.23	1.28	2.22	2.86	2.87	1.57	0.93	0.87	22.53
1990	1.73	3.59	3.95	2.32	6.19	7.99	9.18	5.31	1.03	3.17	7.19	3.70	55.35
1991	1.19	0.57	3.67	2.97	5.94	1.50	0.35	3.41	3.59	7.31	3.57	2.06	36.13
1992	1.06	1.55	2.58	1.61	0.82	0.80	8.19	0.25	5.81	1.33	5.58	2.99	32.57
1993	3.55	1.68	4.08	4.89	3.25	5.70	10.15	7.38	7.56	2.42	2.22	1.19	54.07
1994	0.92	1.98	0.66	3.86	1.52	1.81	1.37	2.92	1.27	3.19	3.49	2.21	25.20
Record Mean	1.75	1.77	2.81	3.52	3.89	3.86	3.86	3.10	3.68	2.50	2.42	2.08	35.22

(!!) See Reference Notes on Page 6B

AVERAGE TEMPERATURE (deg. F) PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	66.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
1975	27.5	26.1	33.8	47.0	64.6	72.1	73.8	74.7	60.9	55.3	44.9	30.2	50.9
1976	19.5	34.9	43.9	54.1	58.2	70.5	75.3	70.3	63.3	47.3	32.0	21.0	49.2
1977	8.6	27.0	44.6	57.1	68.6	70.2	78.2	71.4	66.4	51.3	40.3	22.8	50.5
1978	13.3	15.4	32.4	51.2	60.3	71.3	75.0	73.2	70.5	52.1	41.3	26.8	48.6
1979	9.4	14.7	37.9	47.7	60.5	71.2	73.0	72.5	65.6	52.6	38.0	31.8	47.9
1980	23.6	19.9	35.6	49.2	63.0	69.3	78.5	76.9	67.9	49.6	40.7	28.9	50.2
1981	23.7	27.8	40.7	55.4	58.7	73.2	75.4	72.8	65.9	53.4	45.0	27.3	51.6
1982	15.8	24.8	37.7	46.5	68.4	67.2	75.7	71.3	64.9	55.0	41.5	37.4	50.5
1983	28.2	33.5	40.3	46.8	58.6	72.6	80.2	80.8	67.9	55.3	44.9	15.2	52.0
1984	20.6	35.5	31.3	49.6	58.8	74.3	73.0	74.9	64.0	57.6	40.3	33.9	51.2
1985	16.8	23.2	43.8	57.0	64.3	68.7	73.7	70.2	66.6	55.5	39.0	18.6	49.8
1986	26.6	23.5	43.2	55.4	64.0	72.3	77.4	68.9	68.9	55.2	36.2	30.9	51.9
1987	25.2	35.7	44.1	54.1	68.4	74.0	79.0	73.7	65.7	48.0	44.6	32.4	53.7
1988	22.7	23.5	39.9	51.1	65.4	73.1	78.6	78.5	68.2	48.2	41.5	29.7	51.7
1989	33.9	18.7	39.2	50.7	59.1	69.8	75.3	72.4	62.2	54.9	39.8	16.2	49.4
1990	34.8	33.7	43.4	50.0	57.8	71.0	72.6	72.1	66.1	51.9	45.2	27.7	52.2
1991	21.5	32.4	42.8	55.8	68.0	74.7	75.4	74.3	65.4	53.9	36.0	32.0	52.7
1992	30.1	35.6	42.3	50.0	61.0	69.7	72.4	68.6	64.2	53.1	39.8	29.5	51.4
1993	27.4	25.1	36.4	49.8	63.6	70.4	76.1	75.0	61.4	51.7	39.4	31.4	50.6
1994	18.2	26.2	41.0	53.2	61.7	74.4	74.6	71.6	66.7	56.2	44.8	34.7	51.9
Record Mean	23.9	27.7	38.8	51.0	61.8	71.3	75.6	73.6	66.2	54.3	40.3	28.4	51.1
Max	32.0	36.0	48.1	61.5	72.7	82.2	86.4	84.3	77.2	65.2	49.1	35.9	60.9
Min	15.8	19.4	29.4	40.6	50.8	60.5	64.8	62.9	55.1	43.4	31.6	20.8	41.3

(!!) See Reference Notes on Page 6B

HEATING DEGREE DAYS Base 65 deg. F PEORIA, ILLINOIS

SEASON	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974-75	0	1	157	354	756	1081	1156	1085	959	534	92	17	6192
1975-76	13	1	171	306	596	1069	1404	868	648	351	221	5	5653
1976-77	0	9	106	556	981	1357	1747	1061	623	273	60	17	6790
1977-78	0	6	39	418	734	1301	1595	1383	1006	405	222	14	7123
1978-79	0	4	49	390	704	1174	1722	1403	833	510	194	10	6993
1979-80	3	19	70	401	804	1022	1279	1300	907	474	123	26	6428
1980-81	0	0	65	470	722	1112	1273	1037	748	295	221	1	5944
1981-82	1	0	60	360	594	1163	1520	1119	839	548	29	28	6261
1982-83	0	13	94	325	697	849	1133	875	758	537	206	17	5504
1983-84	2	0	92	311	595	1541	1371	849	1038	467	206	1	6473
1984-85	1	1	153	246	734	956	1489	1164	656	284	71	38	5793
1985-86	0	6	111	287	774	1432	1184	1156	683	314	92	7	6046
1986-87	0	26	37	305	858	1048	1228	814	640	340	53	2	5351
1987-88	0	16	68	520	609	1001	1306	1198	772	409	64	12	5975
1988-89	0	4	38	517	698	1090	958	1290	796	442	231	25	6089
1989-90	0	3	134	317	749	1509	929	871	672	475	226	16	5901
1990-91	8	3	99	409	589	1148	1341	909	683	285	86	0	5560
1991-92	0	0	143	347	863	1017	1078	847	698	444	180	19	5636
1992-93	0	23	109	367	748	1094	1159	1110	878	450	96	48	6082
1993-94	0	0	135	408	761	1035	1448	1078	734	371	157	12	6139
1994-95	0	8	67	282	602	932							

(!!) See Reference Notes on Page 6B

COOLING DEGREE DAYS Base 65 deg. F PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817
1975	0	0	0	0	83	237	292	307	55	14	0	0	988
1976	0	0	0	28	14	176	326	180	62	14	0	0	800
1977	0	0	0	42	176	179	416	209	88	0	0	0	1110
1978	0	0	0	0	81	208	316	267	221	0	0	0	1093
1979	0	0	0	0	62	206	259	258	95	23	0	0	903
1980	0	0	0	6	70	160	425	378	156	1	0	0	1196
1981	0	0	0	13	33	250	331	250	93	6	1	0	977
1982	0	0	0	0	141	101	338	215	96	26	0	0	917
1983	0	0	0	0	14	250	479	494	188	17	0	0	1442
1984	0	0	0	12	24	285	256	315	129	22	0	0	1043
1985	0	0	3	48	54	155	279	173	164	0	0	0	876
1986	0	0	15	30	68	234	392	157	161	6	0	0	1063
1987	0	0	0	19	166	278	440	293	92	0	3	0	1291
1988	0	0	0	2	84	266	431	428	140	5	0	0	1356
1989	0	0	2	20	56	177	324	240	57	11	0	0	887
1990	0	0	9	34	8	204	251	230	138	9	0	0	883
1991	0	0	4	16	189	296	331	293	159	11	0	0	1299
1992	0	0	0	1	62	171	237	140	90	6	0	0	707
1993	0	0	0	2	60	218	350	321	33	6	0	0	990
1994	0	0	0	25	61	300	307	218	123	16	0	0	1050

(!!) See Reference Notes on Page 6B

SNOWFALL (inches) PEORIA, ILLINOIS

SEASON	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2	8.8	12.8	3.8	1.6	0.0	0.0	42.3
1975-76	0.0	0.0	0.0	0.0	8.1	1.4	8.6	2.5	2.0	0.0	0.0	0.0	22.6
1976-77	0.0	0.0	0.0	T	0.4	4.1	16.3	4.1	2.4	1.4	0.0	0.0	28.7
1977-78	0.0	0.0	0.0	0.0	6.4	21.7	7.0	7.0	5.0	0.0	0.0	0.0	47.1
1978-79	0.0	0.0	0.0	0.0	2.6	14.2	24.7	3.6	6.5	T	0.0	0.0	51.6
1979-80	0.0	0.0	0.0	0.0	0.8	0.1	3.7	11.3	5.3	6.3	0.0	0.0	27.5
1980-81	0.0	0.0	0.0	T	4.1	3.3	5.9	10.5	T	0.0	0.0	0.0	23.8
1981-82	0.0	0.0	0.0	0.0	0.1	9.8	11.0	6.1	6.5	13.4	0.0	0.0	46.9
1982-83	0.0	0.0	0.0	0.0	0.9	2.0	5.6	4.8	5.7	0.1	0.0	0.0	19.1
1983-84	0.0	0.0	0.0	0.0	3.3	15.9	6.9	4.1	6.0	0.0	0.0	0.0	36.2
1984-85	0.0	0.0	0.0	0.0	T	0.9	9.8	6.2	T	T	0.0	0.0	16.9
1985-86	0.0	0.0	0.0	0.0	1.0	6.2	1.3	13.9	0.4	0.1	0.0	0.0	22.9
1986-87	0.0	0.0	0.0	0.0	1.0	T	18.0	0.1	T	0.0	0.0	0.0	19.1
1987-88	0.0	0.0	0.0	T	0.3	9.8	1.9	9.7	1.9	0.0	0.0	0.0	23.6
1988-89	0.0	0.0	0.0	0.0	0.7	4.7	0.3	15.2	T	0.9	T	0.0	21.8
1989-90	0.0	0.0	0.0	0.6	T	10.5	4.8	6.2	T	T	0.0	0.0	22.1
1990-91	T	0.0	0.0	T	T	3.8	9.8	1.0	6.9	0.0	0.0	0.0	21.5
1991-92	0.0	0.0	0.0	T	3.6	5.1	6.4	0.4	4.1	T	0.0	0.0	19.6
1992-93	0.0	0.0	T	T	0.7	6.1	6.8	12.4	3.5	0.7	0.0	0.0	30.2
1993-94	0.0	0.0	0.0	T	3.6	2.4	9.4	12.6	T	0.1	0.0	0.0	28.1
1994-95	0.0	0.0	0.0	0.0	T	0.5							
Record Mean	T	0.0	T	0.1	2.0	5.8	6.6	5.6	4.1	0.8	T	0.0	25.0

(!!) See Reference Notes on Page 6B

REFERENCE NOTES **PEORIA, ILLINOIS**

GENERAL
T - TRACE AMOUNT.
BLANK ENTRIES DENOTE MISSING/UNREPORTED DATA.
# INDICATES A STATION OR INSTRUMENT RELOCATION.
SEE STATION LOCATION TABLE ON PAGE 8.

SPECIFIC
PAGE 2
PM - INCLUDES LAST DAY OF PREVIOUS MONTH
ASOS - AUTOMATED SURFACE OBSERVING SYSTEM IN OPERATION DURING THESE MONTHS.

PAGE 3
(a) - LENGTH OF RECORD IN YEARS, ALTHOUGH INDIVIDUAL MONTHS MAY BE MISSING.
0.* OR * - THE VALUE IS BETWEEN 0.0 AND 0.05
NORMALS - BASED ON THE 1961-1990 RECORD PERIOD.
EXTREMES - DATES ARE THE MOST RECENT OCCURRENCE
WIND DIR.- NUMERALS SHOW TENS OF DEGREES CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM.
RESULTANT DIRECTIONS ARE GIVEN TO WHOLE DEGREES.
BOLD VALUES INDICATE EXTREME VALUES WHICH OCCURRED AFTER THE ASOS SYSTEM WAS COMMISSIONED.

PAGE 4B
RECORD = PERIOD OF RECORD
RECORD MEAN PRECIPITATION IS THE MEAN OF ALL DAILY PRECIPITATION AMOUNTS DURING THE PERIOD OF RECORD.
RECORD MAX(MIN) TEMPERATURE IS THE MEAN OF ALL DAILY MAX(MIN) TEMPERATURES DURING THE PERIOD OF RECORD.
RECORD MEAN TEMPERATURE IS THE SUM OF THE RECORD MAX AND RECORD MIN DIVIDED BY 2.
AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAX AND MIN TEMPERATURE DIVIDED BY 2.

EXCEPTIONS

PAGES 4A, 4B, 6A
RECORD MEANS ARE THROUGH THE CURRENT YEAR, BEGINNING IN 1905 FOR TEMPERATURE
1856 FOR PRECIPITATION
1944 FOR SNOWFALL

1994
PEORIA, ILLINOIS (PIA)

The airport station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good. The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

June and September are usually the most pleasant months of the year. Then during October or the first of November, Indian Summer is often experienced with an extended period of warm, dry weather.

Precipitation is normally heaviest during the growing season and lowest during midwinter.

The earliest snowfalls have occurred in September and the latest in the spring have occurred as late as May. Heavy snowfalls have rarely exceeded 20 inches.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 20 and the average last occurrence in the spring is April 24.

STATION LOCATION

PEORIA, ILLINOIS

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE SEA LEVEL: GROUND TEMPERATURE SITE	GROUND: WIND INSTRUMENTS	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET RAIN GAGE	WEIGHING RAIN GAGE	8 INCH RAIN GAGE	HYGROTHERMOMETER	AUTOMATIC OBSERVING EQUIPMENT *	REMARKS
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40°41'	89°36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40°41'	89°36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40°41'	89°36'	460										
Corner of Pecan and Meyer	1869	1872	9 blks. WSW	40°41'	89°36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40°41'	89°36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40°41'	89°36'	495										
701 Fourth Street	1889	1905	9 blks. NW	40°42'	89°36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40°43'	89°36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Building Municipal Airport 5 miles WSW of P.O.	3/01/35	5/04/43		40°40'	89°41'	654	b26	6	5				a4			Occasional airwy observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Building Municipal Airport	5/04/43	10/01/59	Not Moved	40°40'	89°41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg Greater Peoria Airport	10/01/59	10/24/79	2300 ft. WNW	40°40'	89°41'	652	20	6 e	6 d31	90	4 d32	4 d33	4 d31	5	NA	d - Moved to roof 12/22/76. e - Removed 12/22/76.
Business Aviation Bldg. Greater Peoria Airport	10/14/79	Present	800 ft.ENE	40°40'	89°41'	652	f20	NA i5	5	f90 h40	f32 g4	f33 g4	f31 g4	f5 j5	NA	f - Not moved 10/24/79. g - Moved to new site 10/27/79. h - Moved to new site 11/7/79. i - Installed 3/10/80. j - Type change 10/17/84.

* Type

M = AMOS
T = AUTOB
S = ASOS
W = AWOS

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1993 LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

PEORIA,
ILLINOIS

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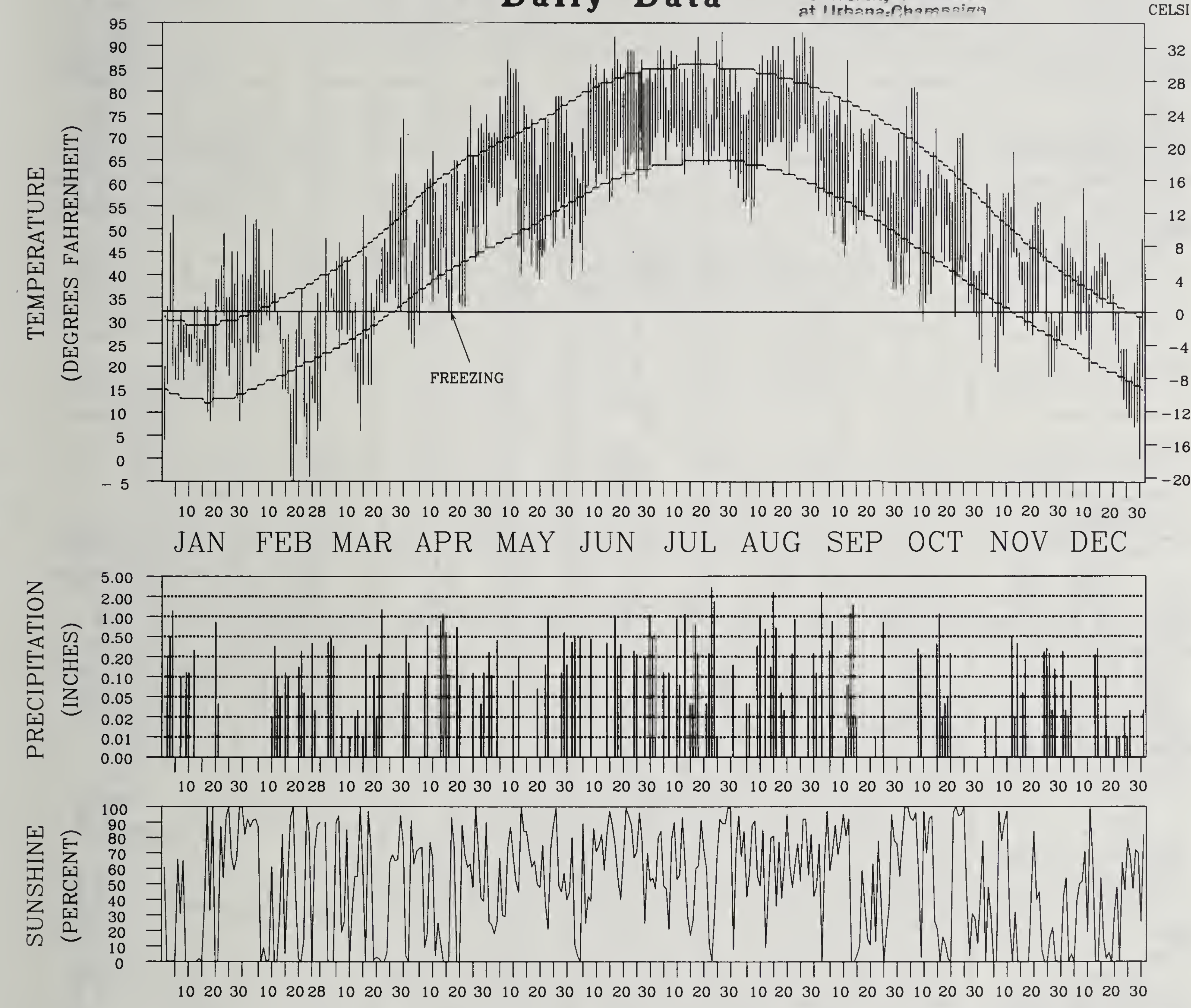

TEMPERATURE DEPICTS NORMAL MAXIMUM, NORMAL MINIMUM AND ACTUAL DAILY HIGH AND LOW VALUES (FAHRENHEIT)
PRECIPITATION IS MEASURED IN INCHES, SCALE IS NON-LINEAR
SUNSHINE IS PERCENT OF THE POSSIBLE SUNSHINE

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Kenneth D Hadeen
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 1993

PEORIA, ILLINOIS

LATITUDE: 40°40′ N LONGITUDE: 89°41′ W ELEVATION: FT. GRND 652 BARO 683 TIME ZONE: CENTRAL WBAN: 14842

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:													
Averages													
-Daily Maximum	34.8	32.8	44.7	59.7	74.5	80.8	84.3	84.4	70.7	62.7	47.4	38.1	59.6
-Daily Minimum	20.0	17.4	28.1	39.9	52.6	60.0	67.9	65.6	52.0	40.7	31.4	24.7	41.7
-Monthly	27.4	25.1	36.4	49.8	63.6	70.4	76.1	75.0	61.4	51.7	39.4	31.4	50.6
-Monthly Dewpt.	21.0	18.2	29.8	39.6	51.7	60.8	69.1	67.9	53.5	40.3	32.0	25.5	42.5
Extremes													
-Highest	53	52	74	77	87	92	93	93	87	81	67	59	93
-Date	31	4	30	24	8	17	27	26	12	7	13	9	AUG 26
-Lowest	4	-5	6	24	39	39	61	52	37	26	18	0	-5
-Date	1	18	14	3	20	1	30	7	30	31	27	30	FEB 18
DEGREE DAYS BASE 65 °F:													
Heating	1159	1110	878	450	96	48	0	0	135	408	761	1035	6080
Cooling	0	0	0	2	60	218	350	321	33	6	0	0	990
% OF POSSIBLE SUNSHINE	43	49	43	48	56	64	59	65	50	57	28	39	51
AVG. SKY COVER (tenths)													
Sunrise - Sunset	7.2	6.8	7.4	7.8	6.8	6.1	7.0	5.9	6.5	5.0	7.9	7.9	6.9
Midnight - Midnight	6.8	6.4	7.0	7.6	6.5	6.1	6.4	5.4	6.2	4.8	7.2	7.8	6.5
NUMBER OF DAYS:													
Sunrise to Sunset													
-Clear	7	7	5	2	4	7	5	5	6	14	4	3	69
-Partly Cloudy	3	5	5	8	13	8	8	17	11	3	5	8	94
-Cloudy	21	16	21	20	14	15	18	9	13	14	21	20	202
Precipitation .01 inches or more	9	11	15	12	11	12	17	15	10	8	12	14	146
Snow, Ice pellets, hail 1.0 inches or more	3	5	2	0	0	0	0	0	0	0	2	0	12
Thunderstorms	0	1	1	2	5	11	11	11	6	1	0	0	49
Heavy Fog, visibility 1/4 mile or less	3	4	7	0	0	0	3	3	2	0	2	2	26
Temperature °F													
-Maximum													
90° and above	0	0	0	0	0	1	4	7	0	0	0	0	12
32° and below	13	14	4	0	0	0	0	0	0	0	6	10	47
-Minimum													
32° and below	30	27	21	7	0	0	0	0	0	5	18	20	128
0° and below	0	4	0	0	0	0	0	0	0	0	0	1	5
AVG. STATION PRESS. (mb)	998.6	997.3	994.2	989.3	990.5	990.9	991.2	992.9	992.9	993.7	994.9	993.2	993.2
RELATIVE HUMIDITY (%)													
Hour 00 (Local Time)	84	83	85	77	79	84	90	92	88	79	82	82	84
Hour 06 (Local Time)	83	84	90	85	83	88	91	95	91	86	87	85	87
Hour 12 (Local Time)	70	67	73	62	55	60	70	69	64	52	69	74	65
Hour 18 (Local Time)	78	72	72	62	59	63	74	73	72	62	74	78	70
PRECIPITATION (inches):													
Water Equivalent													
-Total	3.55	1.68	4.08	4.89	3.25	5.70	10.15	7.38	7.56	2.42	2.22	1.19	54.07
-Greatest (24 hrs)	1.72	0.43	1.36	1.62	1.12	1.26	4.22	3.35	2.66	1.34	0.55	0.47	4.22
-Date	3- 4	25-26	22-23	14-15	22-23	17-18	23-24	15-16	2	15-16	25-26	13-14	JUL 23-24
Snow, Ice pellets, hail													
-Total	6.8	12.4	3.5	0.7	0.0	0.0	0.0	0.0	0.0	T	3.6	2.4	29.4
-Greatest (24 hrs)	5.4	4.9	1.6	0.5	0.0	0.0	0.0	0.0	0.0	T	2.1	1.6	5.4
-Date	9-10	25-26	12-13	1						30	27-28	24-25	JAN 9-10
WIND:													
Resultant													
-Direction (!!)	278	349	350	135	189	177	183	201	255	245	210	250	228
-Speed (mph)	2.2	1.9	1.9	0.7	2.0	2.3	2.5	1.4	1.5	2.9	3.8	2.7	1.3
Average Speed (mph)	10.6	9.9	10.9	10.7	9.6	9.0	8.4	6.8	8.0	8.6	10.0	10.9	9.5
Fastest Obs. 1 Min.													
-Direction (!!)	26	07	20	14	30	27	21	06	17	30	31	30	30
-Speed (mph)	29	31	29	29	25	31	23	28	23	24	23	33	33
-Date	13	11	15	13	30	19	18	15	30	20	29	29	DEC 29
Peak Gust													
-Direction (!!)	NW	NE	W	SE	NE	SW	NW	NE	SW	NW	W	NW	SW
-Speed (mph)	38	43	39	41	41	60	35	36	36	36	37	46	60
-Date	28	11	10	13	12	14	10	15	22	20	19	29	JUN 14

(!!!) See Reference Notes on Page 6B

NORMALS, MEANS, AND EXTREMES

PEORIA, ILLINOIS

LATITUDE: 40°40'N LONGITUDE: 89°41' W ELEVATION: FT. GRND 652 BARO 683 TIME ZONE: CENTRAL W8AN: 14842

	(a)	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:														
Normals														
-Daily Maximum		29.7	35.2	46.5	61.9	72.5	82.1	85.5	83.4	76.7	64.8	48.5	35.4	60.2
-Daily Minimum		13.3	18.4	28.1	40.6	50.6	60.2	64.6	62.7	54.5	42.9	30.9	20.2	40.6
-Monthly		21.5	26.8	37.3	51.3	61.6	71.2	75.0	73.1	65.6	53.9	39.8	27.8	50.4
Extremes														
-Record Highest	54	70	72	86	92	93	105	103	103	100	90	81	71	105
-Year		1989	1976	1986	1986	1987	1988	1940	1988	1953	1963	1950	1982	JUN 1988
-Record Lowest	54	-25	-18	-10	14	25	39	47	41	26	19	-2	-23	-25
-Year		1977	1979	1960	1982	1966	1993	1972	1986	1942	1972	1977	1989	JAN 1977
NORMAL DEGREE DAYS:														
Heating (base 65°F)		1349	1070	859	411	176	22	0	5	64	361	756	1153	6226
Cooling (base 65°F)		0	0	0	0	71	208	314	256	82	17	0	0	948
% OF POSSIBLE SUNSHINE	50	47	50	51	55	60	67	68	67	64	61	43	42	56
MEAN SKY COVER (tenths)														
Sunrise - Sunset	50	6.8	6.8	7.0	6.8	6.4	6.0	5.6	5.5	5.3	5.4	6.8	7.0	6.3
MEAN NUMBER OF DAYS:														
Sunrise to Sunset														
-Clear	50	7.4	6.7	6.0	6.2	7.2	7.1	8.9	10.0	10.9	11.1	6.8	6.7	95.0
-Partly Cloudy	50	5.9	5.7	7.3	8.0	9.5	10.6	11.8	10.5	8.6	7.7	5.9	5.8	97.6
-Cloudy	50	17.7	15.8	17.7	15.8	14.3	12.2	10.2	10.5	10.5	12.1	17.3	18.5	172.6
Precipitation .01 inches or more	54	9.3	8.3	11.0	11.8	11.3	9.5	9.0	8.3	8.7	7.9	9.4	9.8	114.4
Snow,Ice pellets,hail 1.0 inches or more	50	2.2	1.7	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.*	0.6	1.9	8.1
Thunderstorms	50	0.6	0.6	2.7	5.1	6.7	8.3	7.9	6.6	5.0	2.5	1.3	0.6	47.9
Heavy Fog Visibility 1/4 mile or less	50	3.0	2.8	2.3	0.9	0.9	0.6	1.0	1.4	1.4	1.5	2.1	3.4	21.3
Temperature °F														
-Maximum														
90° and above	34	0.0	0.0	0.0	0.1	0.5	4.4	8.0	5.3	1.7	0.*	0.0	0.0	19.9
32° and below	34	16.9	11.5	3.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.9	12.4	46.6
-Minimum														
32° and below	34	29.3	25.4	19.5	5.8	0.4	0.0	0.0	0.0	0.1	4.6	16.8	26.6	128.6
0° and below	34	6.1	3.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.7	12.2
AVG. STATION PRESS.(mb)	21	995.4	995.1	991.8	990.8	990.7	991.0	992.3	993.4	993.9	994.4	993.7	995.1	993.1
RELATIVE HUMIDITY (%)														
Hour 00	34	78	79	77	72	75	77	82	84	82	78	80	81	79
Hour 06 (Local Time)	34	79	81	81	79	81	82	87	89	88	85	84	83	83
Hour 12	34	69	67	63	56	56	56	59	60	59	57	67	72	62
Hour 18	34	72	71	64	56	56	56	61	64	64	63	71	76	65
PRECIPITATION (inches):														
Water Equivalent														
-Normal		1.60	1.41	2.86	3.81	3.84	3.88	3.99	3.39	3.63	2.51	1.96	2.01	34.89
-Maximum Monthly	54	8.11	5.18	6.95	8.66	7.96	11.69	10.15	8.61	13.09	10.80	7.62	6.34	13.09
-Year		1965	1942	1973	1947	1957	1974	1993	1965	1961	1941	1985	1949	SEP 1961
-Minimum Monthly	54	0.22	0.33	0.39	0.71	0.82	0.60	0.33	0.25	0.03	0.03	0.43	0.33	0.03
-Year		1986	1947	1958	1971	1992	1988	1988	1992	1979	1964	1953	1962	SEP 1979
-Maximum in 24 hrs	50	4.45	1.92	3.39	5.06	3.62	4.44	4.22	4.32	4.15	3.70	4.32	3.38	5.06
-Year		1965	1954	1944	1950	1956	1974	1993	1955	1961	1969	1990	1949	APR 1950
Snow,Ice pellets,hail														
-Maximum Monthly	50	24.7	15.2	16.9	13.4	0.1	0.0	T	0.0	T	1.8	9.1	21.7	24.7
-Year		1979	1989	1960	1982	1966		1990		1992	1967	1974	1977	JAN 1979
-Maximum in 24 hrs	50	12.2	7.6	9.0	6.1	0.1	0.0	T	0.0	T	1.8	7.2	10.2	12.2
-Year		1979	1944	1946	1982	1966		1990		1992	1967	1951	1973	JAN 1979
WIND:														
Mean Speed (mph)	50	11.1	11.1	12.1	11.8	10.0	8.9	7.8	7.6	8.4	9.4	11.0	10.8	10.0
Prevailing Direction through 1963		S	WNW	WNW	S	S	S	S	S	S	S	S	S	S
Fastest Obs. 1 Min.														
-Direction (!!)	8	30	31	25	36	31	30	26	01	29	27	20	06	20
-Speed (MPH)	8	37	37	46	37	35	44	40	33	35	31	48	46	48
-Year		1985	1990	1991	1989	1991	1987	1990	1987	1992	1985	1988	1987	NOV 1988
Peak Gust														
-Direction (!!)	10	NW	NW	W	N	NW	NW	W	NW	W	W	S	NE	W
-Speed (mph)	10	53	53	68	69	61	63	67	54	75	48	62	59	75
-Date		1985	1990	1991	1989	1992	1987	1992	1990	1991	1985	1988	1987	SEP 1991

(!!) See Reference Notes on Page 68.

PRECIPITATION (inches)

PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44 72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
1975	2.59	2.85	1.73	3.92	5.19	3.90	4.26	5.62	2.74	3.63	2.75	2.04	41.22
1976	0.78	2.56	4.25	4.86	5.11	2.92	2.98	2.30	1.78	2.48	0.83	0.38	31.23
1977	1.22	0.95	4.41	1.24	3.54	2.06	3.43	7.28	6.26	4.00	1.77	2.25	38.41
1978	0.69	0.59	1.56	4.69	7.72	1.96	3.47	1.28	2.32	1.73	2.54	3.54	32.09
1979	2.48	1.37	4.42	4.48	1.96	1.77	4.81	0.87	0.03	1.70	2.76	2.33	28.98
1980	0.59	1.06	2.79	2.78	2.05	8.94	1.43	6.16	4.09	2.44	0.67	2.25	35.25
1981	0.48	2.41	0.92	5.71	5.77	6.22	7.08	5.61	1.31	1.37	1.64	1.24	39.76
1982	2.88	1.13	4.80	5.40	3.15	3.15	7.53	3.97	1.24	1.47	4.95	5.45	45.12
1983	0.53	1.01	2.84	7.06	6.66	4.48	1.99	1.09	5.08	3.01	5.58	2.65	41.98
1984	0.59	2.28	3.95	5.18	4.84	2.90	5.02	0.78	2.38	5.07	3.95	3.82	40.76
1985	0.99	2.62	5.77	1.14	3.14	5.11	3.43	3.70	3.43	4.61	7.62	2.24	43.80
1986	0.22	1.79	0.87	1.39	2.95	6.53	7.00	1.74	6.39	4.64	1.32	2.60	37.44
1987	1.49	0.84	1.98	1.84	1.69	3.27	2.90	4.02	1.62	0.73	2.88	4.15	27.41
1988	1.99	0.71	2.83	1.59	1.68	0.60	0.33	2.11	2.82	1.08	4.19	2.23	22.16
1989	1.00	1.17	1.14	4.39	2.23	1.28	2.22	2.86	2.87	1.57	0.93	0.87	22.53
1990	1.73	3.59	3.95	2.32	6.19	7.99	9.18	5.31	1.03	3.17	7.19	3.70	55.35
1991	1.19	0.57	3.67	2.97	5.94	1.50	0.35	3.41	3.59	7.31	3.57	2.06	36.13
1992	1.06	1.55	2.58	1.61	0.82	0.80	8.19	0.25	5.81	1.33	5.58	2.99	32.57
1993	3.55	1.68	4.08	4.89	3.25	5.70	10.15	7.38	7.56	2.42	2.22	1.19	54.07
Record Mean	1.75	1.77	2.82	3.52	3.91	3.87	3.88	3.10	3.69	2.50	2.41	2.08	35.29

See Reference Notes on Page 6B.

AVERAGE TEMPERATURE (deg. F)

PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	66.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
1975	27.5	26.1	33.8	47.0	64.6	72.1	73.8	74.7	60.9	55.3	44.9	30.2	50.9
1976	19.5	34.9	43.9	54.1	58.2	70.5	75.3	70.3	63.3	47.3	32.0	21.0	49.2
1977	8.6	27.0	44.6	57.1	68.6	70.2	78.2	71.4	66.4	51.3	40.3	22.8	50.5
1978	13.3	15.4	32.4	51.2	60.3	71.3	75.0	73.2	70.5	52.1	41.3	26.8	48.6
1979	9.4	14.7	37.9	47.7	60.5	71.2	73.0	72.5	65.6	52.6	38.0	31.8	47.9
1980	23.6	19.9	35.6	49.2	63.0	69.3	78.5	76.9	67.9	49.6	40.7	28.9	50.2
1981	23.7	27.8	40.7	55.4	58.7	73.2	75.4	72.8	65.9	53.4	45.0	27.3	51.6
1982	15.8	24.8	37.7	46.5	68.4	67.2	75.7	71.3	64.9	55.0	41.5	37.4	50.5
1983	28.2	33.5	40.3	46.8	58.6	72.6	80.2	80.8	67.9	55.3	44.9	15.2	52.0
1984	20.6	35.5	31.3	49.6	58.8	74.3	73.0	74.9	64.0	57.6	40.3	33.9	51.2
1985	16.8	23.2	43.8	57.0	64.3	68.7	73.7	70.2	66.6	55.5	39.0	18.6	49.8
1986	26.6	23.5	43.2	55.4	64.0	72.3	77.4	68.9	68.9	55.2	36.2	30.9	51.9
1987	25.2	35.7	44.1	54.1	68.4	74.0	79.0	73.7	65.7	48.0	44.6	32.4	53.7
1988	22.7	23.5	39.9	51.1	65.4	73.1	78.6	78.5	68.2	48.2	41.5	29.7	51.7
1989	33.9	18.7	39.2	50.7	59.1	69.8	75.3	72.4	62.2	54.9	39.8	16.2	49.4
1990	34.8	33.7	43.4	50.0	57.8	71.0	72.6	72.1	66.1	51.9	45.2	27.7	52.2
1991	21.5	32.4	42.8	55.8	68.0	74.7	75.4	74.3	65.4	53.9	36.0	32.0	52.7
1992	30.1	35.6	42.3	50.0	61.0	69.7	72.4	68.6	64.2	53.1	39.8	29.5	51.4
1993	27.4	25.1	36.4	49.8	63.6	70.4	76.1	75.0	61.4	51.7	39.4	31.4	50.6
Record Mean	24.0	27.7	38.8	51.0	61.8	71.3	75.6	73.6	66.2	54.3	40.3	28.3	51.1
Max	32.1	36.0	48.1	61.5	72.7	82.2	86.4	84.3	77.2	65.2	49.1	35.9	60.9
Min	15.9	19.4	29.4	40.6	50.8	60.5	64.8	62.9	55.1	43.4	31.6	20.7	41.3

See Reference Notes on Page 6B.

HEATING DEGREE DAYS Base 65 deg. F PEORIA, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974-75	0	1	157	354	756	1081	1156	1085	959	534	92	17	6192
1975-76	13	1	171	306	596	1069	1404	868	648	351	221	5	5653
1976-77	0	9	106	556	981	1357	1747	1061	623	273	60	17	6790
1977-78	0	6	39	418	734	1301	1595	1383	1006	405	222	14	7123
1978-79	0	4	49	390	704	1174	1722	1403	833	510	194	10	6993
1979-80	3	19	70	401	804	1022	1279	1300	907	474	123	26	6428
1980-81	0	0	65	470	722	1112	1273	1037	748	295	221	1	5944
1981-82	1	0	60	360	594	1163	1520	1119	839	548	29	28	6261
1982-83	0	13	94	325	697	849	1133	875	758	537	206	17	5504
1983-84	2	0	92	311	595	1541	1371	849	1038	467	206	1	6473
1984-85	1	1	153	246	734	956	1489	1164	656	284	71	38	5793
1985-86	0	6	111	287	774	1432	1184	1156	683	314	92	7	6046
1986-87	0	26	37	305	858	1048	1228	814	640	340	53	2	5351
1987-88	0	16	68	520	609	1001	1306	1198	772	409	64	12	5975
1988-89	0	4	38	517	698	1090	958	1290	796	442	231	25	6089
1989-90	0	3	134	317	749	1509	929	871	672	475	226	16	5901
1990-91	8	3	99	409	589	1148	1341	909	683	285	86	0	5560
1991-92	0	0	143	347	863	1017	1078	847	698	444	180	19	5636
1992-93	0	23	109	367	748	1094	1159	1110	878	450	96	48	6082
1993-94	0	0	135	408	761	1035							

See Reference Notes on Page 6B.

COOLING DEGREE DAYS Base 65 deg. F PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817
1975	0	0	0	0	83	237	292	307	55	14	0	0	988
1976	0	0	0	28	14	176	326	180	62	14	0	0	800
1977	0	0	0	42	176	179	416	209	88	0	0	0	1110
1978	0	0	0	0	81	208	316	267	221	0	0	0	1093
1979	0	0	0	0	62	206	259	258	95	23	0	0	903
1980	0	0	0	6	70	160	425	378	156	1	0	0	1196
1981	0	0	0	13	33	250	331	250	93	6	1	0	977
1982	0	0	0	0	141	101	338	215	96	26	0	0	917
1983	0	0	0	0	14	250	479	494	188	17	0	0	1442
1984	0	0	0	12	24	285	256	315	129	22	0	0	1043
1985	0	0	3	48	54	155	279	173	164	0	0	0	876
1986	0	0	15	30	68	234	392	157	161	6	0	0	1063
1987	0	0	0	19	166	278	440	293	92	0	3	0	1291
1988	0	0	0	2	84	266	431	428	140	5	0	0	1356
1989	0	0	2	20	56	177	324	240	57	11	0	0	887
1990	0	0	9	34	8	204	251	230	138	9	0	0	883
1991	0	0	4	16	189	296	331	293	159	11	0	0	1299
1992	0	0	0	1	62	171	237	140	90	6	0	0	707
1993	0	0	0	2	60	218	350	321	33	6	0	0	990

See Reference Notes on Page 6B.

SNOWFALL (inches)

PEORIA, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2	8.8	12.8	3.8	1.6	0.0	0.0	42.3
1975-76	0.0	0.0	0.0	0.0	8.1	1.4	8.6	2.5	2.0	0.0	0.0	0.0	22.6
1976-77	0.0	0.0	0.0	T	0.4	4.1	16.3	4.1	2.4	1.4	0.0	0.0	28.7
1977-78	0.0	0.0	0.0	0.0	6.4	21.7	7.0	7.0	5.0	0.0	0.0	0.0	47.1
1978-79	0.0	0.0	0.0	0.0	2.6	14.2	24.7	3.6	6.5	T	0.0	0.0	51.6
1979-80	0.0	0.0	0.0	0.0	0.8	0.1	3.7	11.3	5.3	6.3	0.0	0.0	27.5
1980-81	0.0	0.0	0.0	T	4.1	3.3	5.9	10.5	T	0.0	0.0	0.0	23.8
1981-82	0.0	0.0	0.0	0.0	0.1	9.8	11.0	6.1	6.5	13.4	0.0	0.0	46.9
1982-83	0.0	0.0	0.0	0.0	0.9	2.0	5.6	4.8	5.7	0.1	0.0	0.0	19.1
1983-84	0.0	0.0	0.0	0.0	3.3	15.9	6.9	4.1	6.0	0.0	0.0	0.0	36.2
1984-85	0.0	0.0	0.0	0.0	T	0.9	9.8	6.2	T	T	0.0	0.0	16.9
1985-86	0.0	0.0	0.0	0.0	1.0	6.2	1.3	13.9	0.4	0.1	0.0	0.0	22.9
1986-87	0.0	0.0	0.0	0.0	1.0	T	18.0	0.1	T	0.0	0.0	0.0	19.1
1987-88	0.0	0.0	0.0	T	0.3	9.8	1.9	9.7	1.9	0.0	0.0	0.0	23.6
1988-89	0.0	0.0	0.0	0.0	0.7	4.7	0.3	15.2	T	0.9	T	0.0	21.8
1989-90	0.0	0.0	0.0	0.6	T	10.5	4.8	6.2	T	T	0.0	0.0	22.1
1990-91	T	0.0	0.0	T	T	3.8	9.8	1.0	6.9	0.0	0.0	0.0	21.5
1991-92	0.0	0.0	0.0	T	3.6	5.1	6.4	0.4	4.1	T	0.0	0.0	19.6
1992-93	0.0	0.0	T	T	0.7	6.1	6.8	12.4	3.5	0.7	0.0	0.0	30.2
1993-94	0.0	0.0	0.0	T	3.6	2.4							
Record Mean	T	0.0	T	0.1	2.1	5.9	6.6	5.4	4.1	0.9	T	0.0	25.0

See Reference Notes on Page 6B.

REFERENCE NOTES

PEORIA, ILLINOIS

GENERAL
T - TRACE AMOUNT.
BLANK ENTRIES DENOTE MISSING/UNREPORTED DATA.
# INDICATES A STATION OR INSTRUMENT RELOCATION.
SEE STATION LOCATION TABLE ON PAGE 8.

SPECIFIC
PAGE 2
PM - INCLUDES LAST DAY OF PREVIOUS MONTH
ASOS - AUTOMATED SURFACE OBSERVING SYSTEM IN OPERATION DURING THESE MONTHS.

PAGE 3
(a) - LENGTH OF RECORD IN YEARS, ALTHOUGH INDIVIDUAL MONTHS MAY BE MISSING.
0.* OR * - THE VALUE IS BETWEEN 0.0 AND 0.05
NORMALS - BASED ON THE 1951-1980 RECORD PERIOD.
EXTREMES - DATES ARE THE MOST RECENT OCCURRENCE
WIND DIR.- NUMERALS SHOW TENS OF DEGRESS CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM.
RESULTANT DIRECTIONS ARE GIVEN TO WHOLE DEGREES.
BOLD VALUES INDICATE EXTREME VALUES WHICH OCCURRED AFTER THE ASOS SYSTEM WAS COMMISSIONED.

PAGE 4B
RECORD = PERIOD OF RECORD
RECORD MEAN PRECIPITATION IS THE MEAN OF ALL DAILY PRECIPITATION AMOUNTS DURING THE PERIOD OF RECORD.
RECORD MAX(MIN) TEMPERATURE IS THE MEAN OF ALL DAILY MAX(MIN) TEMPERATURES DURING THE PERIOD OF RECORD.
RECORD MEAN TEMPERATURE IS THE SUM OF THE RECORD MAX AND RECORD MIN DIVIDED BY 2.
AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAX AND MIN TEMPERATURE DIVIDED BY 2.

EXCEPTIONS

PAGES 4A, 4B, 6A
RECORD MEANS ARE THROUGH THE CURRENT YEAR, BEGINNING IN
1905 FOR TEMPERATURE
1856 FOR PRECIPITATION
1944 FOR SNOWFALL

PEORIA, ILLINOIS

The airport station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good. The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

June and September are usually the most pleasant months of the year. Then during October or the first of November, Indian Summer is often experienced with an extended period of warm, dry weather.

Precipitation is normally heaviest during the growing season and lowest during midwinter.

The earliest snowfalls have occurred in September and the latest in the spring have occurred as late as May. Heavy snowfalls have rarely exceeded 20 inches.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 20 and the average last occurrence in the spring is April 24.

STATION LOCATION

* Type

M = AMOS
T = AUTOB
S = ASOS
W = AWOS

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE SEA LEVEL GROUND TEMPERATURE SITE	ELEVATION ABOVE GROUND WIND INSTRUMENTS	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET RAIN GAGE	WEIGHING RAIN GAGE	8 INCH RAIN GAGE	HYGROTHERMOMETER	AUTOMATIC OBSERVING EQUIPMENT *	REMARKS
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40°41'	89°36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40°41'	89°36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40°41'	89°36'	460										
Corner of Pecan and Meyer	1869	1872	9 blks. WSW	40°41'	89°36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40°41'	89°36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40°41'	89°36'	495										
701 Fourth Street	1889	1905	9 blks. NW	40°42'	89°36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40°43'	89°36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Building Municipal Airport 5 miles WSW of P.O.	3/01/35	5/04/43		40°40'	89°41'	654	b26	6	5				a4			Occasional airwy observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Building Municipal Airport	5/04/43	10/01/59	Not Moved	40°40'	89°41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg Greater Peoria Airport	10/01/59	10/24/79	2300 ft. WNW	40°40'	89°41'	652	20	6 e	6 d31	90	4 d32	4 d33	4 d31	5	NA	d - Moved to roof 12/22/76. e - Removed 12/22/76.
Business Aviation Bldg. Greater Peoria Airport	10/14/79	Present	800 ft.ENE	40°40'	89°41'	652	f20	NA i5	5	f90 h40	f32 g4	f33 g4	f31 g4	f5 j5	NA	f - Not moved 10/24/79. g - Moved to new site 10/27/79. h - Moved to new site 11/7/79. i - Installed 3/10/80. j - Type change 10/17/84.

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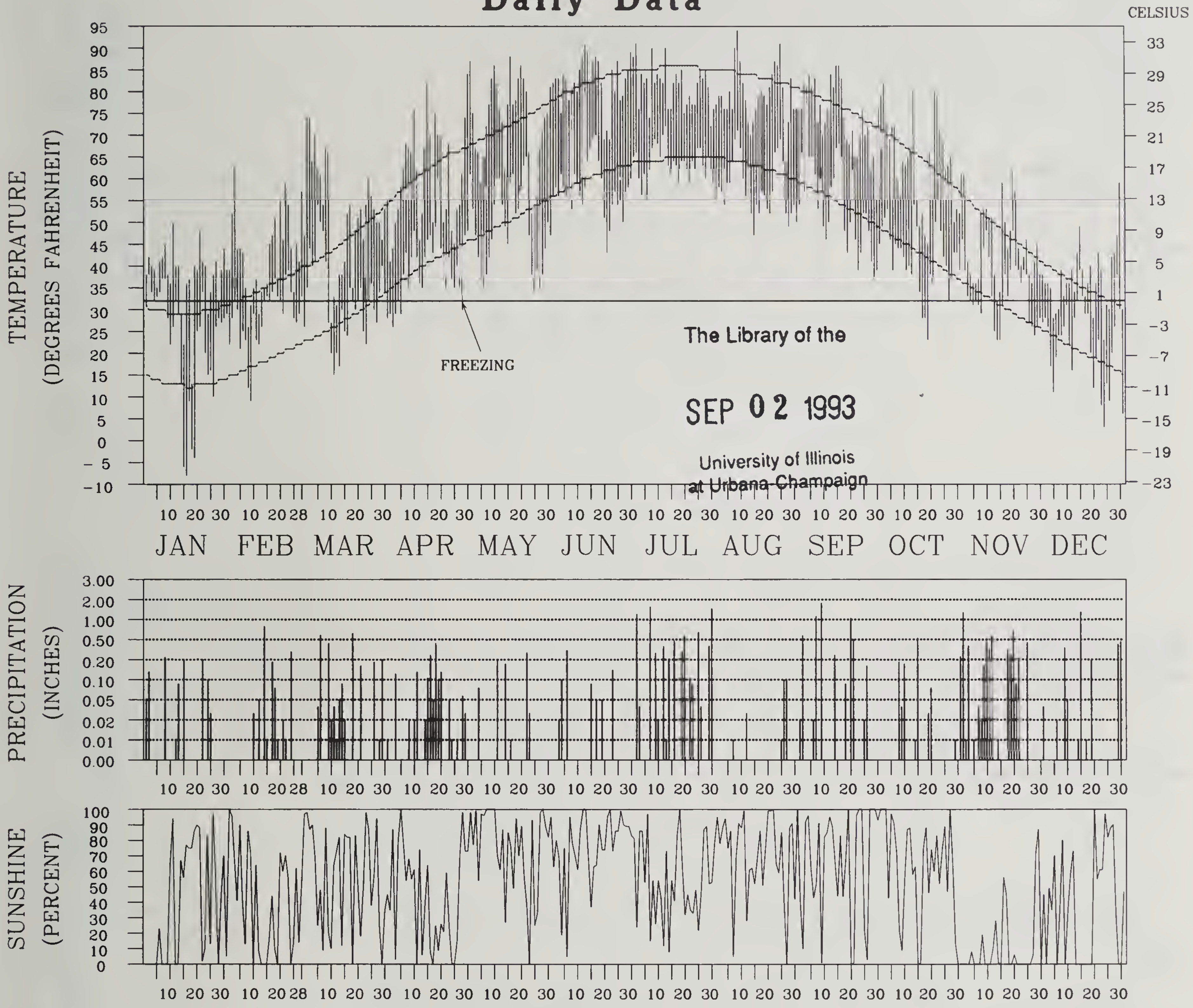
1992 LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA
PEORIA,
ILLINOIS

Daily Data



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TEMPERATURE DEPICTS NORMAL MAXIMUM, NORMAL MINIMUM AND ACTUAL DAILY HIGH AND LOW VALUES (FAHRENHEIT)
PRECIPITATION IS MEASURED IN INCHES, SCALE IS NON-LINEAR
SUNSHINE IS PERCENT OF THE POSSIBLE SUNSHINE

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Kenneth D Hadeen
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

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ASHEVILLE NORTH CAROLINA

METEOROLOGICAL DATA FOR 1992

PEORIA, ILLINOIS

LATITUDE: 40°40' N LONGITUDE: 89°41' W ELEVATION: FT. GRND 652 BARO 683 TIME ZONE: CENTRAL WBAN: 14842

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:													
Averages													
-Daily Maximum	37.6	42.9	52.1	60.6	73.5	82.1	81.4	79.5	75.0	64.5	45.5	36.8	61.0
-Daily Minimum	22.5	28.2	32.4	39.4	48.5	57.3	63.4	57.6	53.3	41.7	34.1	22.2	41.7
-Monthly	30.1	35.6	42.3	50.0	61.0	69.7	72.4	68.6	64.2	53.1	39.8	29.5	51.4
-Monthly Dewpt.	24.9	29.2	32.6	40.0	46.1	55.7	65.0	59.4	55.0	42.1	34.4	24.4	42.4
Extremes													
-Highest	50	63	74	84	88	91	91	94	86	82	62	59	94
-Date	11	3	2	30	16	13	2	9	16	3	20	30	AUG 9
-Lowest	-8	9	15	26	34	43	55	47	37	23	23	3	-8
-Date	16	9	11	2	25	21	6	15	29	19	15	24	JAN 16
DEGREE DAYS BASE 65 °F:													
Heating	1078	847	698	444	180	19	0	23	109	367	748	1094	5607
Cooling	0	0	0	1	62	171	237	140	90	6	0	0	707
% OF POSSIBLE SUNSHINE	38	43	55	43	75	75	54	72	65	60	11	39	55
AVG. SKY COVER (tenths)													
Sunrise - Sunset	7.7	8.5	7.2	7.9	4.9	6.6	8.0	4.9	5.4	5.8	9.1	7.3	6.9
Midnight - Midnight	7.5	8.0	6.6	7.4	4.4	5.9	7.6	4.0	4.9	5.3	8.6	7.0	6.4
NUMBER OF DAYS:													
Sunrise to Sunset													
-Clear	6	2	5	2	13	2	1	12	11	8	2	7	71
-Partly Cloudy	5	5	10	8	11	16	10	12	7	11	1	3	99
-Cloudy	20	22	16	20	7	12	20	7	12	12	27	21	196
Precipitation .01 inches or more	9	10	15	16	6	7	17	5	11	9	17	10	132
Snow, Ice pellets, hail 1.0 inches or more	3	0	2	0	0	0	0	0	0	0	0	1	6
Thunderstorms	0	1	3	5	4	4	16	0	5	2	1	0	41
Heavy Fog, visibility 1/4 mile or less	3	1	1	0	1	2	1	3	2	2	2	4	22
Temperature °F													
-Maximum													
90° and above	0	0	0	0	0	1	3	3	0	0	0	0	7
32° and below	5	3	2	0	0	0	0	0	0	0	1	8	19
-Minimum													
32° and below	24	21	17	6	0	0	0	0	0	4	14	28	114
0° and below	4	0	0	0	0	0	0	0	0	0	0	0	4
AVG. STATION PRESS. (mb)	993.6	993.6	991.5	991.5	994.9	989.5	990.5	995.6	994.9	993.9	992.6	996.3	993.2
RELATIVE HUMIDITY (%)													
Hour 00	85	85	78	79	70	74	90	88	84	78	87	84	82
Hour 06 (Local Time)	86	87	84	85	80	82	92	92	91	89	90	86	87
Hour 12	76	70	62	63	49	49	68	59	59	54	79	75	64
Hour 18	79	77	62	61	47	49	73	63	68	61	82	79	67
PRECIPITATION (inches):													
Water Equivalent													
-Total	1.06	1.55	2.58	1.61	0.82	0.80	8.19	0.25	5.81	1.33	5.58	2.99	32.57
-Greatest (24 hrs)	0.24	0.84	0.66	0.48	0.31	0.34	1.92	0.11	1.83	0.55	1.61	1.39	1.92
-Date	8	14-15	18	18-19	22	6	29-30	25-26	9	14-15	PM- 1	14-15	JUL 29-30
Snow, Ice pellets, hail													
-Total	6.4	0.4	4.1	T	0.0	0.0	0.0	0.0	T	T	0.7	6.1	17.7
-Greatest (24 hrs)	3.9	0.4	1.9	T	0.0	0.0	0.0	0.0	T	T	0.4	4.6	4.6
-Date	15	12-13	13-14	22					9	19	7	9-10	DEC 9-10
WIND:													
Resultant													
-Direction (!!)	249	314	322	188	053	088	208	334	184	195	222	222	215
-Speed (mph)	3.2	1.3	0.5	1.0	1.3	1.8	1.1	0.4	2.6	1.6	1.1	3.6	0.8
Average Speed (mph)	9.2	9.3	9.5	9.3	8.0	8.3	8.2	7.3	8.3	9.0	10.7	10.6	9.0
Fastest Obs. 1 Min.													
-Direction (!!)	32	31	01	19	20	22	28	18	29	16	05	32	28
-Speed (mph)	32	31	24	33	22	25	38	21	35	28	29	29	38
-Date	15	28	9	15	1	17	2	29	9	8	22	23	JUL 2
Peak Gust													
-Direction (!!)	NW	NW	N	S	NW	S	W	S	W	S	W	S	W
-Speed (mph)	44	45	37	41	61	39	67	30	59	40	43	38	67
-Date	15	28	10	15	4	6	2	29	9	8	13	24	JUL 2

(!!) See Reference Notes on Page 6B

NORMALS, MEANS, AND EXTREMES

PEORIA, ILLINOIS

LATITUDE: 40°40'N LONGITUDE: 89°41' W ELEVATION: FT. GRND 652 BARO 683 TIME ZONE: CENTRAL WBAN: 14842

	(a)	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:														
Normals														
-Daily Maximum		29.7	35.2	46.5	61.9	72.5	82.1	85.5	83.4	76.7	64.8	48.5	35.4	60.2
-Daily Minimum		13.3	18.4	28.1	40.6	50.6	60.2	64.6	62.7	54.5	42.9	30.9	20.2	40.6
-Monthly		21.5	26.8	37.3	51.3	61.6	71.2	75.0	73.1	65.6	53.9	39.8	27.8	50.4
Extremes														
-Record Highest	53	70	72	86	92	93	105	103	103	100	90	81	71	105
-Year		1989	1976	1986	1986	1987	1988	1940	1988	1953	1963	1950	1982	JUN 1988
-Record Lowest	53	-25	-18	-10	14	25	39	47	41	26	19	-2	-23	-25
-Year		1977	1979	1960	1982	1966	1945	1972	1986	1942	1972	1977	1989	JAN 1977
NORMAL DEGREE DAYS:														
Heating (base 65°F)		1349	1070	859	411	176	22	0	5	64	361	756	1153	6226
Cooling (base 65°F)		0	0	0	0	71	208	314	256	82	17	0	0	948
% OF POSSIBLE SUNSHINE	49	47	50	51	55	60	67	68	67	65	61	43	42	56
MEAN SKY COVER (tenths)														
Sunrise - Sunset	49	6.8	6.8	7.0	6.7	6.3	6.0	5.5	5.5	5.2	5.4	6.8	7.0	6.3
MEAN NUMBER OF DAYS:														
Sunrise to Sunset														
-Clear	49	7.4	6.7	6.0	6.3	7.2	7.1	9.0	10.1	11.0	11.1	6.8	6.8	95.6
-Partly Cloudy	49	6.0	5.8	7.4	8.0	9.5	10.7	11.9	10.4	8.6	7.8	6.0	5.8	97.7
-Cloudy	49	17.7	15.8	17.6	15.7	14.3	12.2	10.1	10.5	10.4	12.1	17.2	18.4	172.0
Precipitation .01 inches or more	53	9.3	8.2	10.9	11.8	11.3	9.5	8.8	8.2	8.7	7.9	9.3	9.8	113.8
Snow, Ice pellets, hail 1.0 inches or more	49	2.2	1.6	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.*	0.6	1.9	8.0
Thunderstorms	49	0.6	0.6	2.7	5.1	6.7	8.2	7.9	6.5	5.0	2.6	1.4	0.6	47.9
Heavy Fog Visibility 1/4 mile or less	49	3.0	2.8	2.2	0.9	0.9	0.6	1.0	1.4	1.4	1.6	2.1	3.4	21.2
Temperature °F														
-Maximum														
90° and above	33	0.0	0.0	0.0	0.1	0.5	4.5	8.1	5.2	1.8	0.*	0.0	0.0	20.2
32° and below	33	17.0	11.4	3.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.8	12.5	46.6
-Minimum														
32° and below	33	29.3	25.4	19.5	5.8	0.4	0.0	0.0	0.0	0.1	4.6	16.8	26.8	128.6
0° and below	33	6.3	3.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.8	12.5
AVG. STATION PRESS.(mb)	20	995.2	995.0	991.6	990.9	990.7	991.0	992.3	993.4	994.0	994.4	993.6	995.2	993.1
RELATIVE HUMIDITY (%)														
Hour 00	33	78	79	76	72	75	77	82	84	82	78	79	81	79
Hour 06 (Local Time)	33	79	81	81	79	81	82	87	89	88	85	83	83	83
Hour 12	33	68	67	62	56	56	56	59	60	59	58	66	72	62
Hour 18	33	72	71	64	55	56	56	60	63	64	63	71	76	64
PRECIPITATION (inches):														
Water Equivalent														
-Normal		1.60	1.41	2.86	3.81	3.84	3.88	3.99	3.39	3.63	2.51	1.96	2.01	34.89
-Maximum Monthly	53	8.11	5.18	6.95	8.66	7.96	11.69	9.18	8.61	13.09	10.80	7.62	6.34	13.09
-Year		1965	1942	1973	1947	1957	1974	1990	1965	1961	1941	1985	1949	SEP 1961
-Minimum Monthly	53	0.22	0.33	0.39	0.71	0.82	0.60	0.33	0.25	0.03	0.03	0.43	0.33	0.03
-Year		1986	1947	1958	1971	1992	1988	1988	1992	1979	1964	1953	1962	SEP 1979
-Maximum in 24 hrs	49	4.45	1.92	3.39	5.06	3.62	4.44	3.56	4.32	4.15	3.70	4.32	3.38	5.06
-Year		1965	1954	1944	1950	1956	1974	1953	1955	1961	1969	1990	1949	APR 1950
Snow, Ice pellets, hail														
-Maximum Monthly	49	24.7	15.2	16.9	13.4	0.1	0.0	T	0.0	T	1.8	9.1	21.7	24.7
-Year		1979	1989	1960	1982	1966		1990		1992	1967	1974	1977	JAN 1979
-Maximum in 24 hrs	49	12.2	7.6	9.0	6.1	0.1	0.0	T	0.0	T	1.8	7.2	10.2	12.2
-Year		1979	1944	1946	1982	1966		1990		1992	1967	1951	1973	JAN 1979
WIND:														
Mean Speed (mph)	49	11.1	11.1	12.1	11.9	10.0	8.9	7.8	7.6	8.4	9.4	11.0	10.8	10.0
Prevailing Direction through 1963		S	WNW	WNW	S	S	S	S	S	S	S	S	S	S
Fastest Obs. 1 Min.														
-Direction (!!)	7	30	31	25	36	31	30	26	01	29	27	20	06	20
-Speed (MPH)	7	37	37	46	37	35	44	40	33	35	31	48	46	48
-Year		1985	1990	1991	1989	1991	1987	1990	1987	1992	1985	1988	1987	NOV 1988
Peak Gust														
-Direction (!!)	9	NW	NW	W	N	NW	NW	W	NW	W	W	S	NE	W
-Speed (mph)	9	53	53	68	69	61	63	67	54	75	48	62	59	75
-Date		1985	1990	1991	1989	1992	1987	1992	1990	1991	1985	1988	1987	SEP 1991

(!!) See Reference Notes on Page 6B.

PRECIPITATION (inches)

PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
1975	2.59	2.85	1.73	3.92	5.19	3.90	4.26	5.62	2.74	3.63	2.75	2.04	41.22
1976	0.78	2.56	4.25	4.86	5.11	2.92	2.98	2.30	1.78	2.48	0.83	0.38	31.23
1977	1.22	0.95	4.41	1.24	3.54	2.06	3.43	7.28	6.26	4.00	1.77	2.25	38.41
1978	0.69	0.59	1.56	4.69	7.72	1.96	3.47	1.28	2.32	1.73	2.54	3.54	32.09
1979	2.48	1.37	4.42	4.48	1.96	1.77	4.81	0.87	0.03	1.70	2.76	2.33	28.98
1980	0.59	1.06	2.79	2.78	2.05	8.94	1.43	6.16	4.09	2.44	0.67	2.25	35.25
1981	0.48	2.41	0.92	5.71	5.77	6.22	7.08	5.61	1.31	1.37	1.64	1.24	39.76
1982	2.88	1.13	4.80	5.40	3.15	3.15	7.53	3.97	1.24	1.47	4.95	5.45	45.12
1983	0.53	1.01	2.84	7.06	6.66	4.48	1.99	1.09	5.08	3.01	5.58	2.65	41.98
1984	0.59	2.28	3.95	5.18	4.84	2.90	5.02	0.78	2.38	5.07	3.95	3.82	40.76
1985	0.99	2.62	5.77	1.14	3.14	5.11	3.43	3.70	3.43	4.61	7.62	2.24	43.80
1986	0.22	1.79	0.87	1.39	2.95	6.53	7.00	1.74	6.39	4.64	1.32	2.60	37.44
1987	1.49	0.84	1.98	1.84	1.69	3.27	2.90	4.02	1.62	0.73	2.88	4.15	27.41
1988	1.99	0.71	2.83	1.59	1.68	0.60	0.33	2.11	2.82	1.08	4.19	2.23	22.16
1989	1.00	1.17	1.14	4.39	2.23	1.28	2.22	2.86	2.87	1.57	0.93	0.87	22.53
1990	1.73	3.59	3.95	2.32	6.19	7.99	9.18	5.31	1.03	3.17	7.19	3.70	55.35
1991	1.19	0.57	3.67	2.97	5.94	1.50	0.35	3.41	3.59	7.31	3.57	2.06	36.13
1992	1.06	1.55	2.58	1.61	0.82	0.80	8.19	0.25	5.81	1.33	5.58	2.99	32.57
Record Mean	1.74	1.77	2.81	3.51	3.91	3.86	3.83	3.07	3.66	2.50	2.42	2.08	35.15

See Reference Notes on Page 6B.

AVERAGE TEMPERATURE (deg. F)

PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	66.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
1975	27.5	26.1	33.8	47.0	64.6	72.1	73.8	74.7	60.9	55.3	44.9	30.2	50.9
1976	19.5	34.9	43.9	54.1	58.2	70.5	75.3	70.3	63.3	47.3	32.0	21.0	49.2
1977	8.6	27.0	44.6	57.1	68.6	70.2	78.2	71.4	66.4	51.3	40.3	22.8	50.5
1978	13.3	15.4	32.4	51.2	60.3	71.3	75.0	73.2	70.5	52.1	41.3	26.8	48.6
1979	9.4	14.7	37.9	47.7	60.5	71.2	73.0	72.5	65.6	52.6	38.0	31.8	47.9
1980	23.6	19.9	35.6	49.2	63.0	69.3	78.5	76.9	67.9	49.6	40.7	28.9	50.2
1981	23.7	27.8	40.7	55.4	58.7	73.2	75.4	72.8	65.9	53.4	45.0	27.3	51.6
1982	15.8	24.8	37.7	46.5	68.4	67.2	75.7	71.3	64.9	55.0	41.5	37.4	50.5
1983	28.2	33.5	40.3	46.8	58.6	72.6	80.2	80.8	67.9	55.3	44.9	15.2	52.0
1984	20.6	35.5	31.3	49.6	58.8	74.3	73.0	74.9	64.0	57.6	40.3	33.9	51.2
1985	16.8	23.2	43.8	57.0	64.3	68.7	73.7	70.2	66.6	55.5	39.0	18.6	49.8
1986	26.6	23.5	43.2	55.4	64.0	72.3	77.4	68.9	68.9	55.2	36.2	30.9	51.9
1987	25.2	35.7	44.1	54.1	68.4	74.0	79.0	73.7	65.7	48.0	44.6	32.4	53.7
1988	22.7	23.5	39.9	51.1	65.4	73.1	78.6	78.5	68.2	48.2	41.5	29.7	51.7
1989	33.9	18.7	39.2	50.7	59.1	69.8	75.3	72.4	62.2	54.9	39.8	16.2	49.4
1990	34.8	33.7	43.4	50.0	57.8	71.0	72.6	72.1	66.1	51.9	45.2	27.7	52.2
1991	21.5	32.4	42.8	55.8	68.0	74.7	75.4	74.3	65.4	53.9	36.0	32.0	52.7
1992	30.1	35.6	42.3	50.0	61.0	69.7	72.4	68.6	64.2	53.1	39.8	29.5	51.4
Record													
Mean	23.9	27.8	38.8	51.0	61.7	71.3	75.6	73.6	66.2	54.3	40.3	28.3	51.1
Max	32.1	36.1	48.1	61.5	72.6	82.2	86.4	84.3	77.3	65.2	49.1	35.9	60.9
Min	15.8	19.5	29.5	40.6	50.8	60.5	64.7	62.9	55.1	43.4	31.6	20.7	41.3

See Reference Notes on Page 6B.

HEATING DEGREE DAYS Base 65 deg. F PEORIA, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974-75	0	1	157	354	756	1081	1156	1085	959	534	92	17	6192
1975-76	13	1	171	306	596	1069	1404	868	648	351	221	5	5653
1976-77	0	9	106	556	981	1357	1747	1061	623	273	60	17	6790
1977-78	0	6	39	418	734	1301	1595	1383	1006	405	222	14	7123
1978-79	0	4	49	390	704	1174	1722	1403	833	510	194	10	6993
1979-80	3	19	70	401	804	1022	1279	1300	907	474	123	26	6428
1980-81	0	0	65	470	722	1112	1273	1037	748	295	221	1	5944
1981-82	1	0	60	360	594	1163	1520	1119	839	548	29	28	6261
1982-83	0	13	94	325	697	849	1133	875	758	537	206	17	5504
1983-84	2	0	92	311	595	1541	1371	849	1038	467	206	1	6473
1984-85	1	1	153	246	734	956	1489	1164	656	284	71	38	5793
1985-86	0	6	111	287	774	1432	1184	1156	683	314	92	7	6046
1986-87	0	26	37	305	858	1048	1228	814	640	340	53	2	5351
1987-88	0	16	68	520	609	1001	1306	1198	772	409	64	12	5975
1988-89	0	4	38	517	698	1090	958	1290	796	442	231	25	6089
1989-90	0	3	134	317	749	1509	929	871	672	475	226	16	5901
1990-91	8	3	99	409	589	1148	1341	909	683	285	86	0	5560
1991-92	0	0	143	347	863	1017	1078	847	698	444	180	19	5636
1992-93	0	23	109	367	748	1094							

See Reference Notes on Page 6B.

COOLING DEGREE DAYS Base 65 deg. F PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817
1975	0	0	0	0	83	237	292	307	55	14	0	0	988
1976	0	0	0	28	14	176	326	180	62	14	0	0	800
1977	0	0	0	42	176	179	416	209	88	0	0	0	1110
1978	0	0	0	0	81	208	316	267	221	0	0	0	1093
1979	0	0	0	0	62	206	259	258	95	23	0	0	903
1980	0	0	0	6	70	160	425	378	156	1	0	0	1196
1981	0	0	0	13	33	250	331	250	93	6	1	0	977
1982	0	0	0	0	141	101	338	215	96	26	0	0	917
1983	0	0	0	0	14	250	479	494	188	17	0	0	1442
1984	0	0	0	12	24	285	256	315	129	22	0	0	1043
1985	0	0	3	48	54	155	279	173	164	0	0	0	876
1986	0	0	15	30	68	234	392	157	161	6	0	0	1063
1987	0	0	0	19	166	278	440	293	92	0	3	0	1291
1988	0	0	0	2	84	266	431	428	140	5	0	0	1356
1989	0	0	2	20	56	177	324	240	57	11	0	0	887
1990	0	0	9	34	8	204	251	230	138	9	0	0	883
1991	0	0	4	16	189	296	331	293	159	11	0	0	1299
1992	0	0	0	1	62	171	237	140	90	6	0	0	707

See Reference Notes on Page 6B.

SNOWFALL (inches)

PEORIA, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2	8.8	12.8	3.8	1.6	0.0	0.0	42.3
1975-76	0.0	0.0	0.0	0.0	8.1	1.4	8.6	2.5	2.0	0.0	0.0	0.0	22.6
1976-77	0.0	0.0	0.0	T	0.4	4.1	16.3	4.1	2.4	1.4	0.0	0.0	28.7
1977-78	0.0	0.0	0.0	0.0	6.4	21.7	7.0	7.0	5.0	0.0	0.0	0.0	47.1
1978-79	0.0	0.0	0.0	0.0	2.6	14.2	24.7	3.6	6.5	T	0.0	0.0	51.6
1979-80	0.0	0.0	0.0	0.0	0.8	0.1	3.7	11.3	5.3	6.3	0.0	0.0	27.5
1980-81	0.0	0.0	0.0	T	4.1	3.3	5.9	10.5	T	0.0	0.0	0.0	23.8
1981-82	0.0	0.0	0.0	0.0	0.1	9.8	11.0	6.1	6.5	13.4	0.0	0.0	46.9
1982-83	0.0	0.0	0.0	0.0	0.9	2.0	5.6	4.8	5.7	0.1	0.0	0.0	19.1
1983-84	0.0	0.0	0.0	0.0	3.3	15.9	6.9	4.1	6.0	0.0	0.0	0.0	36.2
1984-85	0.0	0.0	0.0	0.0	T	0.9	9.8	6.2	T	T	0.0	0.0	16.9
1985-86	0.0	0.0	0.0	0.0	1.0	6.2	1.3	13.9	0.4	0.1	0.0	0.0	22.9
1986-87	0.0	0.0	0.0	0.0	1.0	T	18.0	0.1	T	0.0	0.0	0.0	19.1
1987-88	0.0	0.0	0.0	T	0.3	9.8	1.9	9.7	1.9	0.0	0.0	0.0	23.6
1988-89	0.0	0.0	0.0	0.0	0.7	4.7	0.3	15.2	T	0.9	T	0.0	21.8
1989-90	0.0	0.0	0.0	0.6	T	10.5	4.8	6.2	T	T	0.0	0.0	22.1
1990-91	T	0.0	0.0	T	T	3.8	9.8	1.0	6.9	0.0	0.0	0.0	21.5
1991-92	0.0	0.0	0.0	T	3.6	5.1	6.4	0.4	4.1	T	0.0	0.0	19.6
1992-93	0.0	0.0	T	T	0.7	6.1							
Record Mean	T	0.0	T	0.1	2.0	6.0	6.6	5.3	4.1	0.9	T	0.0	24.9

See Reference Notes on Page 6B.

REFERENCE NOTES

PEORIA, ILLINOIS

GENERAL
T - TRACE AMOUNT.
BLANK ENTRIES DENOTE MISSING/UNREPORTED DATA.
# INDICATES A STATION OR INSTRUMENT RELOCATION.
SEE STATION LOCATION TABLE ON PAGE 8.

SPECIFIC
PAGE 2
PM - INCLUDES LAST DAY OF PREVIOUS MONTH
ASOS - AUTOMATED SURFACE OBSERVING SYSTEM IN OPERATION DURING THESE MONTHS.

PAGE 3
(a) - LENGTH OF RECORD IN YEARS, ALTHOUGH INDIVIDUAL MONTHS MAY BE MISSING.
0.* OR * - THE VALUE IS BETWEEN 0.0 AND 0.05
NORMALS - BASED ON THE 1951-1980 RECORD PERIOD.
EXTREMES - DATES ARE THE MOST RECENT OCCURRENCE
WIND DIR.- NUMERALS SHOW TENS OF DEGRESS CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM.
RESULTANT DIRECTIONS ARE GIVEN TO WHOLE DEGREES.
BOLD VALUES INDICATE EXTREME VALUES WHICH OCCURRED AFTER THE ASOS SYSTEM WAS COMMISSIONED.

PAGE 4B
RECORD = PERIOD OF RECORD
RECORD MEAN PRECIPITATION IS THE MEAN OF ALL DAILY PRECIPITATION AMOUNTS DURING THE PERIOD OF RECORD.
RECORD MAX(MIN) TEMPERATURE IS THE MEAN OF ALL DAILY MAX(MIN) TEMPERATURES DURING THE PERIOD OF RECORD.
RECORD MEAN TEMPERATURE IS THE SUM OF THE RECORD MAX AND RECORD MIN DIVIDED BY 2.
AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAX AND MIN TEMPERATURE DIVIDED BY 2.

EXCEPTIONS

PAGES 4A, 4B, 6A
RECORD MEANS ARE THROUGH THE CURRENT YEAR,
BEGINNING IN 1905 FOR TEMPERATURE
1856 FOR PRECIPITATION
1944 FOR SNOWFALL

PEORIA, ILLINOIS

The airport station is situated on a rather level tableland surrounded by well–drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good. The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

June and September are usually the most pleasant months of the year. Then during October or the first of November, Indian Summer is often experienced with an extended period of warm, dry weather.

Precipitation is normally heaviest during the growing season and lowest during midwinter.

The earliest snowfalls have occurred in September and the latest in the spring have occurred as late as May. Heavy snowfalls have rarely exceeded 20 inches.

Based on the 1951–1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 20 and the average last occurrence in the spring is April 24.

STATION LOCATION

* Type

M = AMOS
T = AUTOB
S = ASOS
W = AWOS

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	LATITUDE	LONGITUDE	ELEVATION ABOVE									AUTOMATIC OBSERVING EQUIPMENT *	REMARKS
						SEA LEVEL	GROUND									
				NORTH	WEST	GROUND TEMPERATURE SITE	WIND INSTRUMENTS	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET RAIN GAGE	WEIGHING RAIN GAGE	8 INCH RAIN GAGE	HYGROTHERMOMETER		
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40°41'	89°36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40°41'	89°36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40°41'	89°36'	460										
Corner of Pecan and Meyer	1869	1872	9 blks. WSW	40°41'	89°36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40°41'	89°36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40°41'	89°36'	495										
701 Fourth Street	1889	1905	9 blks. NW	40°42'	89°36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40°43'	89°36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Building Municipal Airport 5 miles WSW of P.O.	3/01/35	5/04/43		40°40'	89°41'	654	b26	6	5				a4			Occasional airwy observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Building Municipal Airport	5/04/43	10/01/59	Not Moved	40°40'	89°41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg Greater Peoria Airport	10/01/59	10/24/79	2300 ft. WNW	40°40'	89°41'	652	20	6 e	6 d31	90	4 d32	4 d33	4 d31	5	NA	d - Moved to roof 12/22/76. e - Removed 12/22/76.
Business Aviation Bldg. Greater Peoria Airport	10/14/79	Present	800 ft.ENE	40°40'	89°41'	652	f20	NA i5	5	f90 h40	f32 g4	f33 g4	f31 g4	f5 j5	NA	f - Not moved 10/24/79. g - Moved to new site 10/27/79. h - Moved to new site 11/7/79. i - Installed 3/10/80. j - Type change 10/17/84.

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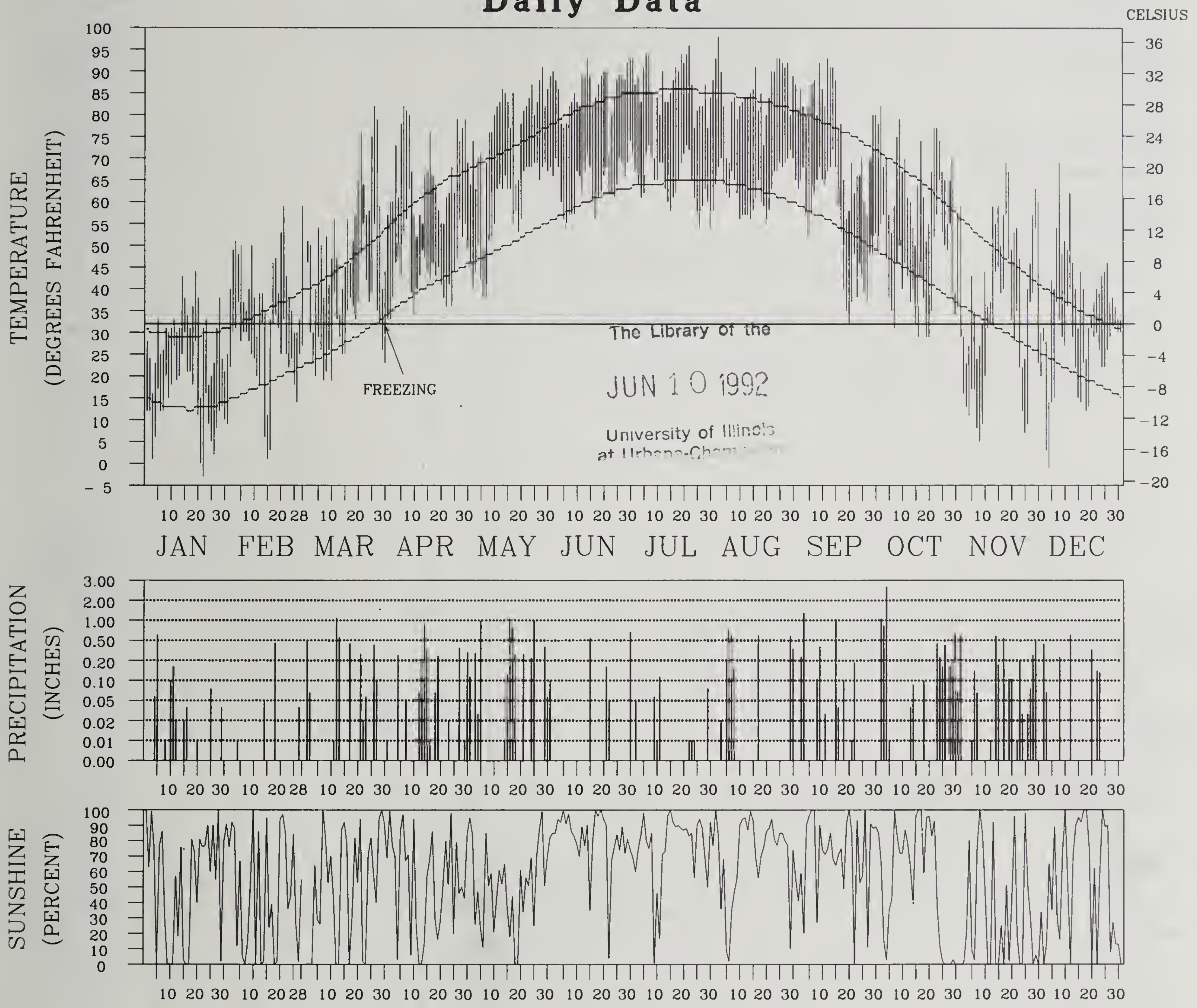
ISSN 0198-1889

1991 LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

PEORIA,
ILLINOIS

DEPARTMENT OF COMMERCE
UNITED STATES OF AMERICA

Daily Data



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TEMPERATURE DEPICTS NORMAL MAXIMUM, NORMAL MINIMUM AND ACTUAL DAILY HIGH AND LOW VALUES (FAHRENHEIT)
PRECIPITATION IS MEASURED IN INCHES, SCALE IS NON-LINEAR
SUNSHINE IS PERCENT OF THE POSSIBLE SUNSHINE

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METEOROLOGICAL DATA FOR 1991

PEORIA, ILLINOIS

LATITUDE: 40°40′ N LONGITUDE: 89°41′ W ELEVATION: FT. GRND 652 BARO 683 TIME ZONE: CENTRAL WBAN: 14842

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:													
Averages													
-Daily Maximum	29.2	40.6	52.9	66.7	77.8	85.6	86.5	85.3	76.8	64.5	44.9	39.8	62.6
-Daily Minimum	13.7	24.1	32.7	44.9	58.2	63.8	64.3	63.3	53.9	43.2	27.0	24.1	42.8
-Monthly	21.5	32.4	42.8	55.8	68.0	74.7	75.4	74.3	65.4	53.9	36.0	32.0	52.7
-Monthly Dewpt.	17.1	25.4	32.8	44.1	61.2	63.5	63.6	63.4	53.9	44.9	29.8	26.1	43.8
Extremes													
-Highest	44	59	82	82	91	93	96	98	93	82	69	69	98
-Date	19	28	26	6	28	30	22	2	12	2	18	8	AUG 2
-Lowest	-3	1	19	33	38	54	54	55	32	29	5	-1	-3
-Date	22	15	10	1	7	6	30	20	20	20	8	4	JAN 22
DEGREE DAYS BASE 65 °F:													
Heating	1341	909	683	285	86	0	0	0	143	347	863	1017	5674
Cooling	0	0	4	16	189	296	331	293	159	11	0	0	1299
% OF POSSIBLE SUNSHINE	54	46	52	53	51	81	76	70	70	53	31	51	59
AVG. SKY COVER (tenths)													
Sunrise - Sunset	6.7	7.1	6.8	6.9	7.6	5.2	5.1	5.9	6.0	6.2	7.6	5.8	6.4
Midnight - Midnight	6.6	6.6	6.5	6.9	7.2	4.7	4.7	5.5	5.5	6.1	7.0	5.8	6.1
NUMBER OF DAYS:													
Sunrise to Sunset													
-Clear	7	7	6	8	5	10	9	9	8	9	5	12	95
-Partly Cloudy	7	4	9	4	5	12	14	12	10	6	3	2	88
-Cloudy	17	17	16	18	21	8	8	10	12	16	22	17	182
Precipitation .01 inches or more	11	4	12	13	15	4	8	8	10	15	17	7	124
Snow, Ice pellets, hail 1.0 inches or more	2	0	1	0	0	0	0	0	0	0	2	1	6
Thunderstorms	0	1	4	8	11	5	4	4	5	8	1	1	52
Heavy Fog, visibility 1/4 mile or less	1	7	3	2	3	0	1	1	1	4	1	2	26
Temperature °F													
-Maximum													
90° and above	0	0	0	0	1	6	11	11	4	0	0	0	33
32° and below	21	4	1	0	0	0	0	0	0	0	8	7	41
-Minimum													
32° and below	31	25	15	0	0	0	0	0	1	5	19	27	123
0° and below	2	0	0	0	0	0	0	0	0	0	0	1	3
AVG. STATION PRESS. (mb)	997.6	994.6	987.1	990.9	992.2	992.9	992.2	994.2	995.9	992.9	995.3	998.0	993.6
RELATIVE HUMIDITY (%)													
Hour 00 (Local Time)	84	83	77	77	89	79	84	83	82	85	86	83	83
Hour 06 (Local Time)	86	84	84	82	93	86	89	91	87	90	86	84	87
Hour 12 (Local Time)	75	68	61	56	68	55	54	58	55	62	69	72	63
Hour 18 (Local Time)	80	74	63	57	73	56	56	59	59	71	77	79	67
PRECIPITATION (inches):													
Water Equivalent													
-Total	1.19	0.57	3.67	2.97	5.94	1.50	0.35	3.41	3.59	7.31	3.57	2.06	36.13
-Greatest (24 hrs)	0.70	0.47	1.53	0.96	1.27	0.71	0.12	0.82	1.58	3.54	0.78	0.64	3.54
-Date	4- 5	18	12-13	14-15	24-25	30	11	5- 6	2- 3	3- 4	14-15	12	OCT 3- 4
Snow, Ice pellets, hail													
-Total	9.8	1.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	T	3.6	5.1	26.4
-Greatest (24 hrs)	6.8	0.6	6.9	0.0	0.0	0.0	0.0	0.0	0.0	T	2.2	4.3	6.9
-Date	4- 5	14	13							23	6- 7	2- 3	MAR 13
WIND:													
Resultant													
-Direction (!!)	279	268	224	145	164	125	212	071	218	207	227	249	213
-Speed (mph)	2.9	2.9	1.2	1.9	3.5	2.6	2.0	1.3	1.8	1.6	4.7	2.8	1.5
Average Speed (mph)	10.1	10.5	13.9	12.0	9.2	8.4	7.9	7.2	8.2	10.5	10.9	9.9	9.9
Fastest Obs. 1 Min.													
-Direction (!!)	30	31	25	23	31	23	22	06	28	29	23	29	25
-Speed (mph)	31	33	46	29	35	23	21	20	29	23	35	32	46
-Date	23	14	27	29	31	15	22	31	9	14	30	14	MAR 27
Peak Gust													
-Direction (!!)	W	NW	W	SW	NW	SW	NW	NE	W	W	SW	W	W
-Speed (mph)	40	45	68	40	56	37	31	28	75	37	45	49	75
-Date	23	14	27	29	31	15	12	31	9	4	30	14	SEP 9

(!!) See Reference Notes on Page 6B

NORMALS, MEANS, AND EXTREMES

PEORIA, ILLINOIS

LATITUDE: 40°40'N LONGITUDE: 89°41' W ELEVATION: FT. GRND 652 BARO 683 TIME ZONE: CENTRAL WBAN: 14842

	(a)	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:														
Normals														
-Daily Maximum		29.7	35.2	46.5	61.9	72.5	82.1	85.5	83.4	76.7	64.8	48.5	35.4	60.2
-Daily Minimum		13.3	18.4	28.1	40.6	50.6	60.2	64.6	62.7	54.5	42.9	30.9	20.2	40.6
-Monthly		21.5	26.8	37.3	51.3	61.6	71.2	75.0	73.1	65.6	53.9	39.8	27.8	50.4
Extremes														
-Record Highest	52	70	72	86	92	93	105	103	103	100	90	81	71	105
-Year		1989	1976	1986	1986	1987	1988	1940	1988	1953	1963	1950	1982	JUN 1988
-Record Lowest	52	-25	-18	-10	14	25	39	47	41	26	19	-2	-23	-25
-Year		1977	1979	1960	1982	1966	1945	1972	1986	1942	1972	1977	1989	JAN 1977
NORMAL DEGREE DAYS:														
Heating (base 65°F)		1349	1070	859	411	176	22	0	5	64	361	756	1153	6226
Cooling (base 65°F)		0	0	0	0	71	208	314	256	82	17	0	0	948
% OF POSSIBLE SUNSHINE	48	47	50	51	56	60	67	69	67	65	61	44	42	57
MEAN SKY COVER (tenths)														
Sunrise - Sunset	48	6.8	6.7	7.0	6.7	6.4	6.0	5.5	5.5	5.2	5.4	6.8	7.0	6.2
MEAN NUMBER OF DAYS:														
Sunrise to Sunset														
-Clear	48	7.4	6.8	6.0	6.4	7.1	7.3	9.2	10.1	11.0	11.1	6.9	6.8	96.1
-Partly Cloudy	48	6.0	5.8	7.3	8.0	9.4	10.6	12.0	10.4	8.6	7.8	6.1	5.9	97.6
-Cloudy	48	17.6	15.7	17.6	15.6	14.4	12.2	9.9	10.6	10.4	12.1	17.0	18.4	171.5
Precipitation .01 inches or more	52	9.3	8.2	10.8	11.7	11.4	9.5	8.7	8.3	8.7	7.9	9.2	9.8	113.4
Snow,Ice pellets,hail 1.0 inches or more	48	2.2	1.7	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.*	0.6	2.0	8.1
Thunderstorms	48	0.6	0.6	2.7	5.1	6.8	8.3	7.7	6.7	5.0	2.6	1.4	0.6	48.0
Heavy Fog Visibility 1/4 mile or less	48	3.0	2.8	2.3	0.9	0.9	0.6	1.0	1.4	1.4	1.5	2.1	3.4	21.2
Temperature °F														
-Maximum														
90° and above	32	0.0	0.0	0.0	0.1	0.5	4.6	8.3	5.3	1.8	0.*	0.0	0.0	20.6
32° and below	32	17.4	11.7	3.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.8	12.6	47.4
-Minimum														
32° and below	32	29.4	25.5	19.6	5.8	0.4	0.0	0.0	0.0	0.1	4.7	16.9	26.8	129.1
0° and below	32	6.4	3.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.9	12.7
AVG. STATION PRESS.(mb)	19	995.3	995.1	991.6	990.9	990.4	991.1	992.4	993.3	993.9	994.4	993.7	995.1	993.1
RELATIVE HUMIDITY (%)														
Hour 00 (Local Time)	32	78	79	76	71	75	77	82	84	82	78	79	81	79
Hour 06 (Local Time)	32	79	80	81	78	81	82	86	89	88	85	83	83	83
Hour 12 (Local Time)	32	68	67	62	55	57	56	59	60	59	58	66	71	62
Hour 18 (Local Time)	32	72	71	64	55	56	56	60	63	64	63	71	76	64
PRECIPITATION (inches):														
Water Equivalent														
-Normal		1.60	1.41	2.86	3.81	3.84	3.88	3.99	3.39	3.63	2.51	1.96	2.01	34.89
-Maximum Monthly	52	8.11	5.18	6.95	8.66	7.96	11.69	9.18	8.61	13.09	10.80	7.62	6.34	13.09
-Year		1965	1942	1973	1947	1957	1974	1990	1965	1961	1941	1985	1949	SEP 1961
-Minimum Monthly	52	0.22	0.33	0.39	0.71	1.04	0.60	0.33	0.78	0.03	0.03	0.43	0.33	0.03
-Year		1986	1947	1958	1971	1964	1988	1988	1984	1979	1964	1953	1962	SEP 1979
-Maximum in 24 hrs	48	4.45	1.92	3.39	5.06	3.62	4.44	3.56	4.32	4.15	3.70	4.32	3.38	5.06
-Year		1965	1954	1944	1950	1956	1974	1953	1955	1961	1969	1990	1949	APR 1950
Snow,Ice pellets,hail														
-Maximum Monthly	48	24.7	15.2	16.9	13.4	0.1	0.0	T	0.0	0.0	1.8	9.1	21.7	24.7
-Year		1979	1989	1960	1982	1966		1990			1967	1974	1977	JAN 1979
-Maximum in 24 hrs	48	12.2	7.6	9.0	6.1	0.1	0.0	T	0.0	0.0	1.8	7.2	10.2	12.2
-Year		1979	1944	1946	1982	1966		1990			1967	1951	1973	JAN 1979
WIND:														
Mean Speed (mph)	48	11.1	11.2	12.2	11.9	10.0	8.9	7.8	7.6	8.4	9.4	11.0	10.8	10.0
Prevailing Direction through 1963		S	WNW	WNW	S	S	S	S	S	S	S	S	S	S
Fastest Obs. 1 Min.														
-Direction (!!)	6	30	31	25	36	31	30	26	01	20	27	20	06	20
-Speed (MPH)	6	37	37	46	37	35	44	40	33	32	31	48	46	48
-Year		1985	1990	1991	1989	1991	1987	1990	1987	1986	1985	1988	1987	NOV 1988
Peak Gust														
-Direction (!!)	8	NW	NW	W	N	NW	NW	NW	NW	W	W	S	NE	W
-Speed (mph)	8	53	53	68	69	56	63	53	54	75	48	62	59	75
-Date		1985	1990	1991	1989	1991	1987	1990	1990	1991	1985	1988	1987	SEP 1991

(!!) See Reference Notes on Page 6B.

PRECIPITATION (inches)

PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
1975	2.59	2.85	1.73	3.92	5.19	3.90	4.26	5.62	2.74	3.63	2.75	2.04	41.22
1976	0.78	2.56	4.25	4.86	5.11	2.92	2.98	2.30	1.78	2.48	0.83	0.38	31.23
1977	1.22	0.95	4.41	1.24	3.54	2.06	3.43	7.28	6.26	4.00	1.77	2.25	38.41
1978	0.69	0.59	1.56	4.69	7.72	1.96	3.47	1.28	2.32	1.73	2.54	3.54	32.09
1979	2.48	1.37	4.42	4.48	1.96	1.77	4.81	0.87	0.03	1.70	2.76	2.33	28.98
1980	0.59	1.06	2.79	2.78	2.05	8.94	1.43	6.16	4.09	2.44	0.67	2.25	35.25
1981	0.48	2.41	0.92	5.71	5.77	6.22	7.08	5.61	1.31	1.37	1.64	1.24	39.76
1982	2.88	1.13	4.80	5.40	3.15	3.15	7.53	3.97	1.24	1.47	4.95	5.45	45.12
1983	0.53	1.01	2.84	7.06	6.66	4.48	1.99	1.09	5.08	3.01	5.58	2.65	41.98
1984	0.59	2.28	3.95	5.18	4.84	2.90	5.02	0.78	2.38	5.07	3.95	3.82	40.76
1985	0.99	2.62	5.77	1.14	3.14	5.11	3.43	3.70	3.43	4.61	7.62	2.24	43.80
1986	0.22	1.79	0.87	1.39	2.95	6.53	7.00	1.74	6.39	4.64	1.32	2.60	37.44
1987	1.49	0.84	1.98	1.84	1.69	3.27	2.90	4.02	1.62	0.73	2.88	4.15	27.41
1988	1.99	0.71	2.83	1.59	1.68	0.60	0.33	2.11	2.82	1.08	4.19	2.23	22.16
1989	1.00	1.17	1.14	4.39	2.23	1.28	2.22	2.86	2.87	1.57	0.93	0.87	22.53
1990	1.73	3.59	3.95	2.32	6.19	7.99	9.18	5.31	1.03	3.17	7.19	3.70	55.35
1991	1.19	0.57	3.67	2.97	5.94	1.50	0.35	3.41	3.59	7.31	3.57	2.06	36.13
Record Mean	1.74	1.77	2.81	3.52	3.93	3.88	3.80	3.09	3.65	2.51	2.39	2.08	35.17

See Reference Notes on Page 6B.

AVERAGE TEMPERATURE (deg. F)

PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	66.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
1975	27.5	26.1	33.8	47.0	64.6	72.1	73.8	74.7	60.9	55.3	44.9	30.2	50.9
1976	19.5	34.9	43.9	54.1	58.2	70.5	75.3	70.3	63.3	47.3	32.0	21.0	49.2
1977	8.6	27.0	44.6	57.1	68.6	70.2	78.2	71.4	66.4	51.3	40.3	22.8	50.5
1978	13.3	15.4	32.4	51.2	60.3	71.3	75.0	73.2	70.5	52.1	41.3	26.8	48.6
1979	9.4	14.7	37.9	47.7	60.5	71.2	73.0	72.5	65.6	52.6	38.0	31.8	47.9
1980	23.6	19.9	35.6	49.2	63.0	69.3	78.5	76.9	67.9	49.6	40.7	28.9	50.2
1981	23.7	27.8	40.7	55.4	58.7	73.2	75.4	72.8	65.9	53.4	45.0	27.3	51.6
1982	15.8	24.8	37.7	46.5	68.4	67.2	75.7	71.3	64.9	55.0	41.5	37.4	50.5
1983	28.2	33.5	40.3	46.8	58.6	72.6	80.2	80.8	67.9	55.3	44.9	15.2	52.0
1984	20.6	35.5	31.3	49.6	58.8	74.3	73.0	74.9	64.0	57.6	40.3	33.9	51.2
1985	16.8	23.2	43.8	57.0	64.3	68.7	73.7	70.2	66.6	55.5	39.0	18.6	49.8
1986	26.6	23.5	43.2	55.4	64.0	72.3	77.4	68.9	68.9	55.2	36.2	30.9	51.9
1987	25.2	35.7	44.1	54.1	68.4	74.0	79.0	73.7	65.7	48.0	44.6	32.4	53.7
1988	22.7	23.5	39.9	51.1	65.4	73.1	78.6	78.5	68.2	48.2	41.5	29.7	51.7
1989	33.9	18.7	39.2	50.7	59.1	69.8	75.3	72.4	62.2	54.9	39.8	16.2	49.4
1990	34.8	33.7	43.4	50.0	57.8	71.0	72.6	72.1	66.1	51.9	45.2	27.7	52.2
1991	21.5	32.4	42.8	55.8	68.0	74.7	75.4	74.3	65.4	53.9	36.0	32.0	52.7
Record													
Mean	23.9	27.7	38.8	51.0	61.7	71.3	75.7	73.7	66.2	54.3	40.4	28.3	51.1
Max	32.0	36.0	48.1	61.5	72.6	82.2	86.5	84.4	77.3	65.2	49.2	35.9	60.9
Min	15.7	19.4	29.4	40.6	50.8	60.5	64.8	62.9	55.1	43.4	31.6	20.7	41.2

See Reference Notes on Page 6B.

HEATING DEGREE DAYS Base 65 deg. F PEORIA, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974-75	0	1	157	354	756	1081	1156	1085	959	534	92	17	6192
1975-76	13	1	171	306	596	1069	1404	868	648	351	221	5	5653
1976-77	0	9	106	556	981	1357	1747	1061	623	273	60	17	6790
1977-78	0	6	39	418	734	1301	1595	1383	1006	405	222	14	7123
1978-79	0	4	49	390	704	1174	1722	1403	833	510	194	10	6993
1979-80	3	19	70	401	804	1022	1279	1300	907	474	123	26	6428
1980-81	0	0	65	470	722	1112	1273	1037	748	295	221	1	5944
1981-82	1	0	60	360	594	1163	1520	1119	839	548	29	28	6261
1982-83	0	13	94	325	697	849	1133	875	758	537	206	17	5504
1983-84	2	0	92	311	595	1541	1371	849	1038	467	206	1	6473
1984-85	1	1	153	246	734	956	1489	1164	656	284	71	38	5793
1985-86	0	6	111	287	774	1432	1184	1156	683	314	92	7	6046
1986-87	0	26	37	305	858	1048	1228	814	640	340	53	2	5351
1987-88	0	16	68	520	609	1001	1306	1198	772	409	64	12	5975
1988-89	0	4	38	517	698	1090	958	1290	796	442	231	25	6089
1989-90	0	3	134	317	749	1509	929	871	672	475	226	16	5901
1990-91	8	3	99	409	589	1148	1341	909	683	285	86	0	5560
1991-92	0	0	143	347	863	1017							

See Reference Notes on Page 6B.

COOLING DEGREE DAYS Base 65 deg. F PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817
1975	0	0	0	0	83	237	292	307	55	14	0	0	988
1976	0	0	0	28	14	176	326	180	62	14	0	0	800
1977	0	0	0	42	176	179	416	209	88	0	0	0	1110
1978	0	0	0	0	81	208	316	267	221	0	0	0	1093
1979	0	0	0	0	62	206	259	258	95	23	0	0	903
1980	0	0	0	6	70	160	425	378	156	1	0	0	1196
1981	0	0	0	13	33	250	331	250	93	6	1	0	977
1982	0	0	0	0	141	101	338	215	96	26	0	0	917
1983	0	0	0	0	14	250	479	494	188	17	0	0	1442
1984	0	0	0	12	24	285	256	315	129	22	0	0	1043
1985	0	0	3	48	54	155	279	173	164	0	0	0	876
1986	0	0	15	30	68	234	392	157	161	6	0	0	1063
1987	0	0	0	19	166	278	440	293	92	0	3	0	1291
1988	0	0	0	2	84	266	431	428	140	5	0	0	1356
1989	0	0	2	20	56	177	324	240	57	11	0	0	887
1990	0	0	9	34	8	204	251	230	138	9	0	0	883
1991	0	0	4	16	189	296	331	293	159	11	0	0	1299

See Reference Notes on Page 6B.

SNOWFALL (inches)

PEORIA, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2	8.8	12.8	3.8	1.6	0.0	0.0	42.3
1975-76	0.0	0.0	0.0	0.0	8.1	1.4	8.6	2.5	2.0	0.0	0.0	0.0	22.6
1976-77	0.0	0.0	0.0	T	0.4	4.1	16.3	4.1	2.4	1.4	0.0	0.0	28.7
1977-78	0.0	0.0	0.0	0.0	6.4	21.7	7.0	7.0	5.0	0.0	0.0	0.0	47.1
1978-79	0.0	0.0	0.0	0.0	2.6	14.2	24.7	3.6	6.5	T	0.0	0.0	51.6
1979-80	0.0	0.0	0.0	0.0	0.8	0.1	3.7	11.3	5.3	6.3	0.0	0.0	27.5
1980-81	0.0	0.0	0.0	T	4.1	3.3	5.9	10.5	T	0.0	0.0	0.0	23.8
1981-82	0.0	0.0	0.0	0.0	0.1	9.8	11.0	6.1	6.5	13.4	0.0	0.0	46.9
1982-83	0.0	0.0	0.0	0.0	0.9	2.0	5.6	4.8	5.7	0.1	0.0	0.0	19.1
1983-84	0.0	0.0	0.0	0.0	3.3	15.9	6.9	4.1	6.0	0.0	0.0	0.0	36.2
1984-85	0.0	0.0	0.0	0.0	T	0.9	9.8	6.2	T	T	0.0	0.0	16.9
1985-86	0.0	0.0	0.0	0.0	1.0	6.2	1.3	13.9	0.4	0.1	0.0	0.0	22.9
1986-87	0.0	0.0	0.0	0.0	1.0	T	18.0	0.1	T	0.0	0.0	0.0	19.1
1987-88	0.0	0.0	0.0	T	0.3	9.8	1.9	9.7	1.9	0.0	0.0	0.0	23.6
1988-89	0.0	0.0	0.0	0.0	0.7	4.7	0.3	15.2	T	0.9	T	0.0	21.8
1989-90	0.0	0.0	0.0	0.6	T	10.5	4.8	6.2	T	T	0.0	0.0	22.1
1990-91	T	0.0	0.0	T	T	3.8	9.8	1.0	6.9	0.0	0.0	0.0	21.5
1991-92	0.0	0.0	0.0	T	3.6	5.1							
Record Mean	T	0.0	0.0	0.1	2.1	6.0	6.6	5.4	4.1	0.9	T	0.0	25.1

See Reference Notes on Page 6B.

REFERENCE NOTES

PEORIA, ILLINOIS

GENERAL
T - TRACE AMOUNT.
BLANK ENTRIES DENOTE MISSING/UNREPORTED DATA.
# INDICATES A STATION OR INSTRUMENT RELOCATION.
SEE STATION LOCATION TABLE ON PAGE B.

SPECIFIC
PAGE 2
PM - INCLUDES LAST DAY OF PREVIOUS MONTH

PAGE 3
(a) - LENGTH OF RECORD IN YEARS, ALTHOUGH INDIVIDUAL MONTHS MAY BE MISSING.
0.* OR * THE VALUE IS BETWEEN 0.0 AND 0.05
NORMALS - BASED ON THE 1951-1980 RECORD PERIOD.
EXTREMES - DATES ARE THE MOST RECENT OCCURRENCE
WIND DIR.- NUMERALS SHOW TENS OF DEGRESS CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM.
RESULTANT DIRECTIONS ARE GIVEN TO WHOLE DEGREES.

PAGE 4B
RECORD = PERIOD OF RECORD
RECORD MEAN PRECIPITATION IS THE MEAN OF ALL DAILY PRECIPITATION AMOUNTS DURING THE PERIOD OF RECORD.
RECORD MAX(MIN) TEMPERATURE IS THE MEAN OF ALL DAILY MAX(MIN) TEMPERATURES DURING THE PERIOD OF RECORD.
RECORD MEAN TEMPERATURE IS THE DIFFERENCE BETWEEN THE RECORD MAX AND RECORD MIN DIVIDED BY 2.
AVERAGE TEMPERATURE IS THE DIFFERENCE BETWEEN THE MEAN DAILY MAX AND MIN TEMPERATURE DIVIDED BY 2.

EXCEPTIONS

PAGES 4A, 4B, 6A
RECORD MEANS ARE THROUGH THE CURRENT YEAR,
BEGINNING IN 1905 FOR TEMPERATURE
1856 FOR PRECIPITATION
1944 FOR SNOWFALL

PEORIA,
ILLINOIS

The airport station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good. The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

June and September are usually the most pleasant months of the year. Then during October or the first of November, Indian Summer is often experienced with an extended period of warm, dry weather.

Precipitation is normally heaviest during the growing season and lowest during midwinter.

The earliest snowfalls have occurred in September and the latest in the spring have occurred as late as May. Heavy snowfalls have rarely exceeded 20 inches.

Based on the 1951–1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 20 and the average last occurrence in the spring is April 24.

STATION LOCATION

PEORIA, ILLINOIS

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	LATITUDE	LONGITUDE	ELEVATION ABOVE									AUTOMATIC OBSERVING EQUIPMENT *	REMARKS * Type M = AMOS T = AUTOB S = ASOS W = AWOS
						SEA LEVEL	GROUND									
				NORTH	WEST	GROUND TEMPERATURE SITE	WIND INSTRUMENTS	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET RAIN GAGE	WEIGHING RAIN GAGE	8 INCH RAIN GAGE	HYGROTHERMOMETER		
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40°41'	89°36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40°41'	89°36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40°41'	89°36'	460										
Corner of Pecan and Meyer	1869	1872	9 blks. WSW	40°41'	89°36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40°41'	89°36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40°41'	89°36'	495										
701 Fourth Street	1889	1905	9 blks. NW	40°42'	89°36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40°43'	89°36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Building Municipal Airport 5 miles WSW of P.O.	3/01/35	5/04/43		40°40'	89°41'	654	b26	6	5				a4			Occasional airwy observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Building Municipal Airport	5/04/43	10/01/59	Not Moved	40°40'	89°41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg Greater Peoria Airport	10/01/59	10/24/79	2300 ft. WNW	40°40'	89°41'	652	20	6 e	6 d31	90	4 d32	4 d33	4 d31	5	NA	d - Moved to roof 12/22/76. e - Removed 12/22/76.
Business Aviation Bldg. Greater Peoria Airport	10/14/79	Present	800 ft.ENE	40°40'	89°41'	652	f20	NA i5	5	f90 h40	f32 g4	f33 g4	f31 g4	f5 j5	NA	f - Not moved 10/24/79. g - Moved to new site 10/27/79. h - Moved to new site 11/7/79. i - Installed 3/10/80. j - Type change 10/17/84.

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1990 LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

PEORIA,
ILLINOIS

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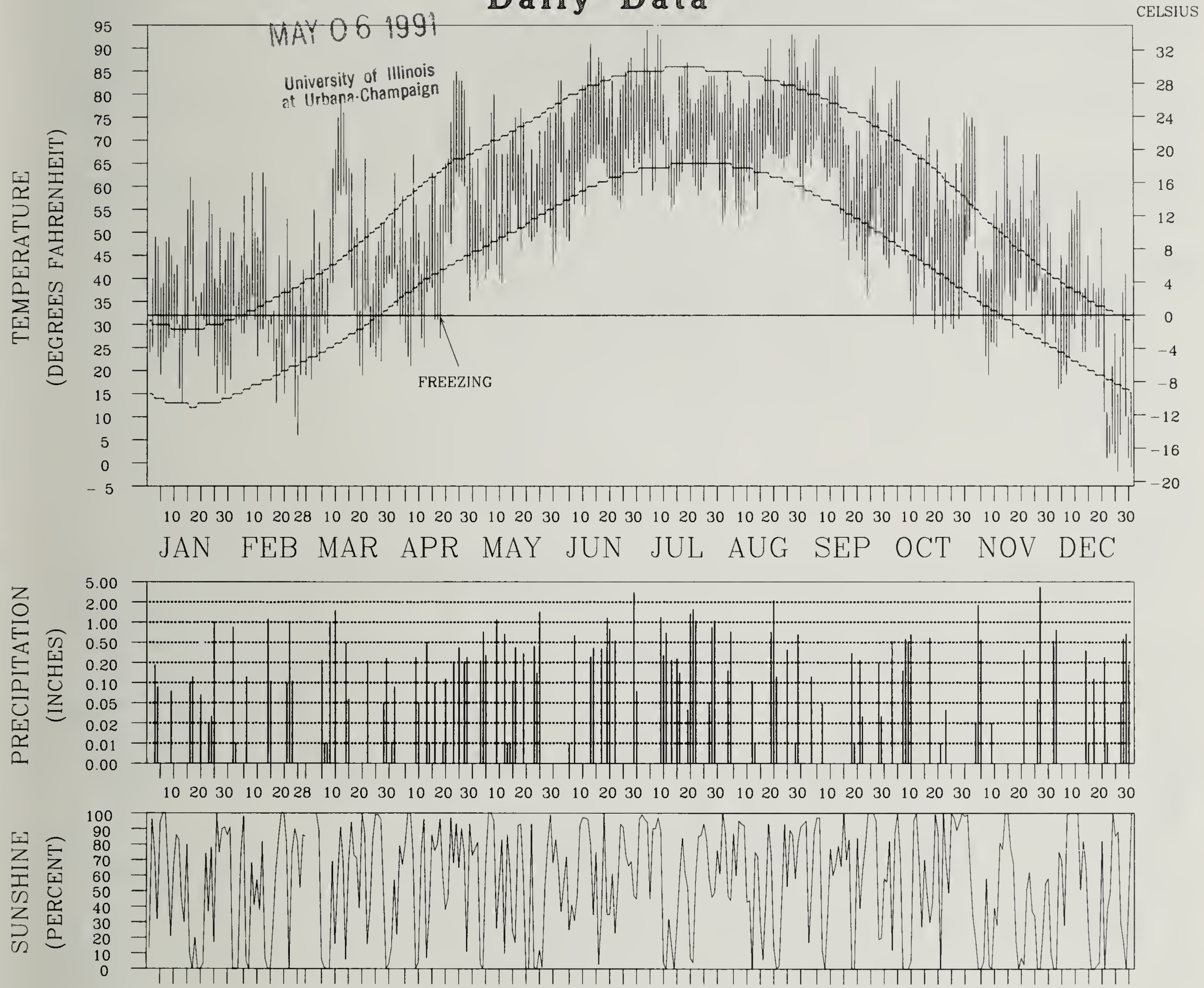

TEMPERATURE DEPICTS NORMAL MAXIMUM, NORMAL MINIMUM AND ACTUAL DAILY HIGH AND LOW VALUES (FAHRENHEIT)
PRECIPITATION IS MEASURED IN INCHES, SCALE IS NON-LINEAR
SUNSHINE IS PERCENT OF THE POSSIBLE SUNSHINE

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Kenneth D Hadeen
DIRECTOR
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ASHEVILLE NORTH CAROLINA

METEOROLOGICAL DATA FOR 1990

PEORIA, ILLINOIS

LATITUDE: 40°40′ N LONGITUDE: 89°41′ W ELEVATION: FT. GRND 652 BARO 683 TIME ZONE: CENTRAL WBAN: 14842

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:													
Averages													
-Daily Maximum	44.1	42.1	52.2	60.7	67.0	80.7	81.3	81.5	76.4	64.3	55.4	36.1	61.8
-Daily Minimum	25.4	25.2	34.6	39.3	48.5	61.3	63.8	62.7	55.8	39.4	34.9	19.3	42.5
-Monthly	34.8	33.7	43.4	50.0	57.8	71.0	72.6	72.1	66.1	51.9	45.2	27.7	52.2
-Monthly Dewpt.	28.4	25.9	33.0	40.5	49.8	63.7	65.5	66.1	58.5	42.7	37.1	22.7	44.5
Extremes													
-Highest	62	63	80	85	80	91	94	93	93	83	75	59	94
-Date	16	12	12	24	8	13	4	27	6	6	2	11	JUL 4
-Lowest	13	6	18	21	38	48	55	51	36	28	19	-2	-2
-Date	13	25	1	7	2	5	13	7	24	22	8	26	DEC 26
DEGREE DAYS BASE 65 °F:													
Heating	929	871	672	475	226	16	8	3	99	409	589	1148	5445
Cooling	0	0	9	34	8	204	251	230	138	9	0	0	883
% OF POSSIBLE SUNSHINE	57	50	56	65	52	59	59	61	62	63	37	50	57
AVG. SKY COVER (tenths)													
Sunrise - Sunset	6.4	7.2	6.7	6.9	7.0	6.8	6.8	5.5	5.2	4.9	7.0	6.7	6.4
Midnight - Midnight	5.8	6.5	6.3	6.0	6.8	6.4	6.3	5.1	4.6	4.2	6.0	6.2	5.9
NUMBER OF DAYS:													
Sunrise to Sunset													
-Clear	9	3	8	4	5	4	6	9	9	12	7	8	84
-Partly Cloudy	6	8	6	11	8	13	6	11	12	10	6	5	102
-Cloudy	16	17	17	15	18	13	19	11	9	9	17	18	179
Precipitation .01 inches or more	9	8	11	12	13	10	13	10	8	8	7	11	120
Snow, Ice pellets 1.0 inches or more	1	2	0	0	0	0	0	0	0	0	0	1	4
Thunderstorms	3	0	5	3	7	12	9	5	2	2	1	0	49
Heavy Fog, visibility 1/4 mile or less	2	2	2	1	0	0	0	0	4	1	3	4	19
Temperature °F													
-Maximum													
90° and above	0	0	0	0	0	1	4	5	3	0	0	0	13
32° and below	3	5	0	0	0	0	0	0	0	0	0	9	17
-Minimum													
32° and below	29	26	15	11	0	0	0	0	0	8	12	27	128
0° and below	0	0	0	0	0	0	0	0	0	0	0	2	2
AVG. STATION PRESS. (mb)	991.2	995.6	996.3	993.1	989.8	990.2	993.2	994.2	993.6	993.4	993.9	995.9	993.2
RELATIVE HUMIDITY (%)													
Hour 00	82	80	77	82	84	88	89	93	89	83	82	86	85
Hour 06 (Local Time)	87	83	82	86	86	90	91	96	95	89	86	87	88
Hour 12	72	66	62	64	69	72	69	72	66	59	62	75	67
Hour 18	74	72	63	64	69	72	69	75	70	69	70	83	71
PRECIPITATION (inches):													
Water Equivalent													
-Total	1.73	3.59	3.95	2.32	6.19	7.99	9.18	5.31	1.03	3.17	7.19	3.70	55.35
-Greatest (24 hrs)	1.05	1.20	1.59	0.52	1.67	3.47	2.74	3.03	0.35	0.94	4.32	1.35	4.32
-Date	24-25	14-15	10-11	13-14	24-25	29-30	21-22	19-20	18-19	9-10	26-27	2- 3	NOV 26-27
Snow, Ice pellets													
-Total	4.8	6.2	T	T	0.0	0.0	T	0.0	0.0	T	T	3.8	14.8
-Greatest (24 hrs)	4.8	3.3	T	T	0.0	0.0	T	0.0	0.0	T	T	2.2	4.8
-Date	25	22-23	24	11			9			10	8	2	JAN 25
WIND:													
Resultant													
-Direction (!!!)	226	277	190	244	112	210	138	161	260	221	210	251	218
-Speed (mph)	4.9	0.7	2.7	3.5	0.3	3.4	0.9	1.5	0.5	3.0	3.8	2.6	2.0
Average Speed (mph)	10.9	10.6	12.1	10.8	10.2	8.7	6.6	5.2	5.6	9.2	10.4	10.7	9.3
Fastest Obs. 1 Min.													
-Direction (!!!)	28	31	21	30	28	27	26	33	30	29	28	09	26
-Speed (mph)	33	37	33	29	31	39	40	31	29	29	33	29	40
-Date	11	24	15	1	17	13	9	29	14	18	23	3	JUL 9
Peak Gust													
-Direction (!!!)	W	NW	SW	SW	W	NE	NW	NW	NW	W	W	NE	NW
-Speed (mph)	51	53	53	39	47	48	53	54	38	46	53	40	54
-Date	11	24	15	27	17	19	9	29	14	17	23	2	AUG 29

(!!!) See Reference Notes on Page 6B

NORMALS, MEANS, AND EXTREMES

PEORIA, ILLINOIS

LATITUDE: 40°40'N LONGITUDE: 89°41' W ELEVATION: FT. GRND 652 BARO 683 TIME ZONE: CENTRAL WBAN: 14842

	(a)	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:														
Normals														
-Daily Maximum		29.7	35.2	46.5	61.9	72.5	82.1	85.5	83.4	76.7	64.8	48.5	35.4	60.2
-Daily Minimum		13.3	18.4	28.1	40.6	50.6	60.2	64.6	62.7	54.5	42.9	30.9	20.2	40.6
-Monthly		21.5	26.8	37.3	51.3	61.6	71.2	75.0	73.1	65.6	53.9	39.8	27.8	50.4
Extremes														
-Record Highest	51	70	72	86	92	93	105	103	103	100	90	81	71	105
-Year		1989	1976	1986	1986	1987	1988	1940	1988	1953	1963	1950	1982	JUN 1988
-Record Lowest	51	-25	-18	-10	14	25	39	47	41	26	19	-2	-23	-25
-Year		1977	1979	1960	1982	1966	1945	1972	1986	1942	1972	1977	1989	JAN 1977
NORMAL DEGREE DAYS:														
Heating (base 65°F)		1349	1070	859	411	176	22	0	5	64	361	756	1153	6226
Cooling (base 65°F)		0	0	0	0	71	208	314	256	82	17	0	0	948
% OF POSSIBLE SUNSHINE	47	47	50	51	56	60	67	68	67	65	61	44	42	57
MEAN SKY COVER (tenths)														
Sunrise - Sunset	47	6.8	6.7	7.0	6.7	6.4	6.1	5.5	5.5	5.2	5.3	6.8	7.0	6.2
MEAN NUMBER OF DAYS:														
Sunrise to Sunset														
-Clear	47	7.4	6.8	6.0	6.4	7.2	7.2	9.2	10.1	11.1	11.2	7.0	6.6	96.1
-Partly Cloudy	47	6.0	5.8	7.3	8.1	9.5	10.6	11.9	10.3	8.6	7.8	6.1	5.9	97.9
-Cloudy	47	17.6	15.6	17.7	15.6	14.3	12.3	9.9	10.6	10.4	12.0	16.9	18.4	171.3
Precipitation														
.01 inches or more	51	9.3	8.3	10.8	11.7	11.4	9.6	8.7	8.3	8.6	7.7	9.0	9.8	113.2
Snow,Ice pellets														
1.0 inches or more	47	2.2	1.7	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.*	0.6	2.0	8.1
Thunderstorms	47	0.6	0.6	2.7	5.1	6.7	8.4	7.8	6.7	5.0	2.4	1.4	0.6	48.0
Heavy Fog Visibility														
1/4 mile or less	47	3.0	2.7	2.2	0.9	0.9	0.6	1.0	1.4	1.4	1.5	2.1	3.4	21.1
Temperature °F														
-Maximum														
90° and above	31	0.0	0.0	0.0	0.1	0.5	4.5	8.2	5.1	1.8	0.*	0.0	0.0	20.2
32° and below	31	17.3	11.9	3.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.6	12.8	47.6
-Minimum														
32° and below	31	29.4	25.5	19.7	5.9	0.5	0.0	0.0	0.0	0.1	4.6	16.8	26.7	129.3
0° and below	31	6.5	3.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.9	13.0
AVG. STATION PRESS.(mb)	18	995.2	995.1	991.9	990.9	990.3	991.0	992.4	993.2	993.8	994.5	993.6	994.9	993.1
RELATIVE HUMIDITY (%)														
Hour 00	31	77	78	76	71	75	77	82	84	82	78	79	81	78
Hour 06 (Local Time)	31	79	80	81	78	81	82	86	89	88	85	83	83	83
Hour 12	31	68	67	62	55	56	56	59	60	59	58	66	71	61
Hour 18	31	72	70	64	55	56	56	60	64	64	63	71	76	64
PRECIPITATION (inches):														
Water Equivalent														
-Normal		1.60	1.41	2.86	3.81	3.84	3.88	3.99	3.39	3.63	2.51	1.96	2.01	34.89
-Maximum Monthly	51	8.11	5.18	6.95	8.66	7.96	11.69	9.18	8.61	13.09	10.80	7.62	6.34	13.09
-Year		1965	1942	1973	1947	1957	1974	1990	1965	1961	1941	1985	1949	SEP 1961
-Minimum Monthly	51	0.22	0.33	0.39	0.71	1.04	0.60	0.33	0.78	0.03	0.03	0.43	0.33	0.03
-Year		1986	1947	1958	1971	1964	1988	1988	1984	1979	1964	1953	1962	SEP 1979
-Maximum in 24 hrs	47	4.45	1.92	3.39	5.06	3.62	4.44	3.56	4.32	4.15	3.70	4.32	3.38	5.06
-Year		1965	1954	1944	1950	1956	1974	1953	1955	1961	1969	1990	1949	APR 1950
Snow,Ice pellets														
-Maximum Monthly	47	24.7	15.2	16.9	13.4	0.1	0.0	T	0.0	0.0	1.8	9.1	21.7	24.7
-Year		1979	1989	1960	1982	1966		1990			1967	1974	1977	JAN 1979
-Maximum in 24 hrs	47	12.2	7.6	9.0	6.1	0.1	0.0	T	0.0	0.0	1.8	7.2	10.2	12.2
-Year		1979	1944	1946	1982	1966		1990			1967	1951	1973	JAN 1979
WIND:														
Mean Speed (mph)	47	11.2	11.2	12.1	11.9	10.0	8.9	7.8	7.6	8.4	9.4	11.0	10.9	10.0
Prevailing Direction through 1963		S	WNW	WNW	S	S	S	S	S	S	S	S	S	S
Fastest Obs. 1 Min.														
-Direction (!!!)	5	30	31	31	36	28	30	26	01	20	27	20	06	20
-Speed (MPH)	5	37	37	37	37	35	44	40	33	32	31	48	46	48
-Year		1985	1990	1985	1989	1988	1987	1990	1987	1986	1985	1988	1987	NOV 1988
Peak Gust														
-Direction (!!!)	7	NW	NW	SW	N	W	NW	NW	NW	S	W	S	NE	N
-Speed (mph)	7	53	53	53	69	55	63	53	54	49	48	62	59	69
-Date		1985	1990	1990	1989	1988	1987	1990	1990	1986	1985	1988	1987	APR 1989

(!!!) See Reference Notes on Page 6B.

PRECIPITATION (inches)

PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
1975	2.59	2.85	1.73	3.92	5.19	3.90	4.26	5.62	2.74	3.63	2.75	2.04	41.22
1976	0.78	2.56	4.25	4.86	5.11	2.92	2.98	2.30	1.78	2.48	0.83	0.38	31.23
1977	1.22	0.95	4.41	1.24	3.54	2.06	3.43	7.28	6.26	4.00	1.77	2.25	38.41
1978	0.69	0.59	1.56	4.69	7.72	1.96	3.47	1.28	2.32	1.73	2.54	3.54	32.09
1979	2.48	1.37	4.42	4.48	1.96	1.77	4.81	0.87	0.03	1.70	2.76	2.33	28.98
1980	0.59	1.06	2.79	2.78	2.05	8.94	1.43	6.16	4.09	2.44	0.67	2.25	35.25
1981	0.48	2.41	0.92	5.71	5.77	6.22	7.08	5.61	1.31	1.37	1.64	1.24	39.76
1982	2.88	1.13	4.80	5.40	3.15	3.15	7.53	3.97	1.24	1.47	4.95	5.45	45.12
1983	0.53	1.01	2.84	7.06	6.66	4.48	1.99	1.09	5.08	3.01	5.58	2.65	41.98
1984	0.59	2.28	3.95	5.18	4.84	2.90	5.02	0.78	2.38	5.07	3.95	3.82	40.76
1985	0.99	2.62	5.77	1.14	3.14	5.11	3.43	3.70	3.43	4.61	7.62	2.24	43.80
1986	0.22	1.79	0.87	1.39	2.95	6.53	7.00	1.74	6.39	4.64	1.32	2.60	37.44
1987	1.49	0.84	1.98	1.84	1.69	3.27	2.90	4.02	1.62	0.73	2.88	4.15	27.41
1988	1.99	0.71	2.83	1.59	1.68	0.60	0.33	2.11	2.82	1.08	4.19	2.23	22.16
1989	1.00	1.17	1.14	4.39	2.23	1.28	2.22	2.86	2.87	1.57	0.93	0.87	22.53
1990	1.73	3.59	3.95	2.32	6.19	7.99	9.18	5.31	1.03	3.17	7.19	3.70	55.35
Record Mean	1.75	1.78	2.81	3.53	3.92	3.90	3.82	3.08	3.65	2.47	2.38	2.08	35.17

See Reference Notes on Page 6B.

AVERAGE TEMPERATURE (deg. F)

PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	66.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
1975	27.5	26.1	33.8	47.0	64.6	72.1	73.8	74.7	60.9	55.3	44.9	30.2	50.9
1976	19.5	34.9	43.9	54.1	58.2	70.5	75.3	70.3	63.3	47.3	32.0	21.0	49.2
1977	8.6	27.0	44.6	57.1	68.6	70.2	78.2	71.4	66.4	51.3	40.3	22.8	50.5
1978	13.3	15.4	32.4	51.2	60.3	71.3	75.0	73.2	70.5	52.1	41.3	26.8	48.6
1979	9.4	14.7	37.9	47.7	60.5	71.2	73.0	72.5	65.6	52.6	38.0	31.8	47.9
1980	23.6	19.9	35.6	49.2	63.0	69.3	78.5	76.9	67.9	49.6	40.7	28.9	50.2
1981	23.7	27.8	40.7	55.4	58.7	73.2	75.4	72.8	65.9	53.4	45.0	27.3	51.6
1982	15.8	24.8	37.7	46.5	68.4	67.2	75.7	71.3	64.9	55.0	41.5	37.4	50.5
1983	28.2	33.5	40.3	46.8	58.6	72.6	80.2	80.8	67.9	55.3	44.9	15.2	52.0
1984	20.6	35.5	31.3	49.6	58.8	74.3	73.0	74.9	64.0	57.6	40.3	33.9	51.2
1985	16.8	23.2	43.8	57.0	64.3	68.7	73.7	70.2	66.6	55.5	39.0	18.6	49.8
1986	26.6	23.5	43.2	55.4	64.0	72.3	77.4	68.9	68.9	55.2	36.2	30.9	51.9
1987	25.2	35.7	44.1	54.1	68.4	74.0	79.0	73.7	65.7	48.0	44.6	32.4	53.7
1988	22.7	23.5	39.9	51.1	65.4	73.1	78.6	78.5	68.2	48.2	41.5	29.7	51.7
1989	33.9	18.7	39.2	50.7	59.1	69.8	75.3	72.4	62.2	54.9	39.8	16.2	49.4
1990	34.8	33.7	43.4	50.0	57.8	71.0	72.6	72.1	66.1	51.9	45.2	27.7	52.2
Record Mean	23.9	27.6	38.7	51.0	61.7	71.3	75.7	73.7	66.2	54.3	40.4	28.3	51.1
Max	32.1	35.9	48.0	61.5	72.6	82.1	86.5	84.4	77.3	65.2	49.2	35.9	60.9
Min	15.8	19.3	29.4	40.6	50.7	60.5	64.8	62.9	55.1	43.4	31.6	20.6	41.2

See Reference Notes on Page 6B.

HEATING DEGREE DAYS Base 65 deg. F PEORIA, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6569
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974-75	0	1	157	354	756	1081	1156	1085	959	534	92	17	6192
1975-76	13	1	171	306	596	1069	1404	868	648	351	221	5	5653
1976-77	0	9	106	556	981	1357	1747	1061	623	273	60	17	6790
1977-78	0	6	39	418	734	1301	1595	1383	1006	405	222	14	7123
1978-79	0	4	49	390	704	1174	1722	1403	833	510	194	10	6993
1979-80	3	19	70	401	804	1022	1279	1300	907	474	123	26	6428
1980-81	0	0	65	470	722	1112	1273	1037	748	295	221	1	5944
1981-82	1	0	60	360	594	1163	1520	1119	839	548	29	28	6261
1982-83	0	13	94	325	697	849	1133	875	758	537	206	17	5504
1983-84	2	0	92	311	595	1541	1371	849	1038	467	206	1	6473
1984-85	1	1	153	246	734	956	1489	1164	656	284	71	38	5793
1985-86	0	6	111	287	774	1432	1184	1156	683	314	92	7	6046
1986-87	0	26	37	305	858	1048	1228	814	640	340	53	2	5351
1987-88	0	16	68	520	609	1001	1306	1198	772	409	64	12	5975
1988-89	0	4	38	517	698	1090	958	1290	796	442	231	25	6089
1989-90	0	3	134	317	749	1509	929	871	672	475	226	16	5901
1990-91	8	3	99	409	589	1148							

See Reference Notes on Page 6B.

COOLING DEGREE DAYS Base 65 deg. F PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817
1975	0	0	0	0	83	237	292	307	55	14	0	0	988
1976	0	0	0	28	14	176	326	180	62	14	0	0	800
1977	0	0	0	42	176	179	416	209	88	0	0	0	1110
1978	0	0	0	0	81	208	316	267	221	0	0	0	1093
1979	0	0	0	0	62	206	259	258	95	23	0	0	903
1980	0	0	0	6	70	160	425	378	156	1	0	0	1196
1981	0	0	0	13	33	250	331	250	93	6	1	0	977
1982	0	0	0	0	141	101	338	215	96	26	0	0	917
1983	0	0	0	0	14	250	479	494	188	17	0	0	1442
1984	0	0	0	12	24	285	256	315	129	22	0	0	1043
1985	0	0	3	48	54	155	279	173	164	0	0	0	876
1986	0	0	15	30	68	234	392	157	161	6	0	0	1063
1987	0	0	0	19	166	278	440	293	92	0	3	0	1291
1988	0	0	0	2	84	266	431	428	140	5	0	0	1356
1989	0	0	2	20	56	177	324	240	57	11	0	0	887
1990	0	0	9	34	8	204	251	230	138	9	0	0	883

See Reference Notes on Page 6B.

SNOWFALL (inches)

PEORIA, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2	8.8	12.8	3.8	1.6	0.0	0.0	42.3
1975-76	0.0	0.0	0.0	0.0	8.1	1.4	8.6	2.5	2.0	0.0	0.0	0.0	22.6
1976-77	0.0	0.0	0.0	T	0.4	4.1	16.3	4.1	2.4	1.4	0.0	0.0	28.7
1977-78	0.0	0.0	0.0	0.0	6.4	21.7	7.0	7.0	5.0	0.0	0.0	0.0	47.1
1978-79	0.0	0.0	0.0	0.0	2.6	14.2	24.7	3.6	6.5	T	0.0	0.0	51.6
1979-80	0.0	0.0	0.0	0.0	0.8	0.1	3.7	11.3	5.3	6.3	0.0	0.0	27.5
1980-81	0.0	0.0	0.0	T	4.1	3.3	5.9	10.5	T	0.0	0.0	0.0	23.8
1981-82	0.0	0.0	0.0	0.0	0.1	9.8	11.0	6.1	6.5	13.4	0.0	0.0	46.9
1982-83	0.0	0.0	0.0	0.0	0.9	2.0	5.6	4.8	5.7	0.1	0.0	0.0	19.1
1983-84	0.0	0.0	0.0	0.0	3.3	15.9	6.9	4.1	6.0	0.0	0.0	0.0	36.2
1984-85	0.0	0.0	0.0	0.0	T	0.9	9.8	6.2	T	T	0.0	0.0	16.9
1985-86	0.0	0.0	0.0	0.0	1.0	6.2	1.3	13.9	0.4	0.1	0.0	0.0	22.9
1986-87	0.0	0.0	0.0	0.0	1.0	T	18.0	0.1	T	0.0	0.0	0.0	19.1
1987-88	0.0	0.0	0.0	T	0.3	9.8	1.9	9.7	1.9	0.0	0.0	0.0	23.6
1988-89	0.0	0.0	0.0	0.0	0.7	4.7	0.3	15.2	T	0.9	T	0.0	21.8
1989-90	0.0	0.0	0.0	0.6	T	10.5	4.8	6.2	T	T	0.0	0.0	22.1
1990-91	T	0.0	0.0	T	T	3.8							
Record Mean	T	0.0	0.0	0.1	2.0	6.0	6.5	5.5	4.1	0.9	T	0.0	25.1

See Reference Notes on Page 6B.

REFERENCE NOTES

PEORIA, ILLINOIS

GENERAL
T - TRACE AMOUNT.
BLANK ENTRIES DENOTE MISSING/UNREPORTED DATA.
# INDICATES A STATION OR INSTRUMENT RELOCATION.
SEE STATION LOCATION TABLE ON PAGE 8.

SPECIFIC
PAGE 2
PM - INCLUDES LAST DAY OF PREVIOUS MONTH

PAGE 3
(a) - LENGTH OF RECORD IN YEARS, ALTHOUGH INDIVIDUAL MONTHS MAY BE MISSING.
0.* OR * THE VALUE IS BETWEEN 0.0 AND 0.05
NORMALS - BASED ON THE 1951-1980 RECORD PERIOD.
EXTREMES - DATES ARE THE MOST RECENT OCCURRENCE
WIND DIR.- NUMERALS SHOW TENS OF DEGRESS CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM.
RESULTANT DIRECTIONS ARE GIVEN TO WHOLE DEGREES.

PAGE 4B
MAX AND MIN ARE LONG TERM MEAN DAILY MAXIMUM AND MEAN DAILY MINIMUM TEMPERATURES.

EXCEPTIONS

PAGES 4A, 4B, 6A
RECORD MEANS ARE THROUGH THE CURRENT YEAR,
BEGINNING IN 1905 FOR TEMPERATURE
1856 FOR PRECIPITATION
1944 FOR SNOWFALL

PEORIA, ILLINOIS

The airport station is situated on a rather level tableland surrounded by well–drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good. The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

June and September are usually the most pleasant months of the year. Then during October or the first of November, Indian Summer is often experienced with an extended period of warm, dry weather.

Precipitation is normally heaviest during the growing season and lowest during midwinter.

The earliest snowfalls have occurred in September and the latest in the spring have occurred as late as May. Heavy snowfalls have rarely exceeded 20 inches.

Based on the 1951–1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 20 and the average last occurrence in the spring is April 24.

STATION LOCATION

PEORIA, ILLINOIS

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE SEA LEVEL: GROUND SITE TEMPERATURE	ELEVATION ABOVE GROUND: WIND INSTRUMENTS	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET RAIN GAGE	WEIGHING RAIN GAGE	8 INCH RAIN GAGE	HYGROTHERMOMETER	AUTOMATIC OBSERVING EQUIPMENT *	REMARKS
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40°41'	89°36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40°41'	89°36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40°41'	89°36'	460										
Corner of Pecan and Meyer	1869	1872	9 blks. WSW	40°41'	89°36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40°41'	89°36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40°41'	89°36'	495										
701 Fourth Street	1889	1905	9 blks. NW	40°42'	89°36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40°43'	89°36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Building Municipal Airport 5 miles WSW of P.O.	3/01/35	5/04/43		40°40'	89°41'	654	b26	6	5				a4			Occasional airwy observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Building Municipal Airport	5/04/43	10/01/59	Not Moved	40°40'	89°41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg Greater Peoria Airport	10/01/59	10/24/79	2300 ft. WNW	40°40'	89°41'	652	20	6 e	6 d31	90	4 d32	4 d33	4 d31	5	NA	d - Moved to roof 12/22/76. e - Removed 12/22/76.
Business Aviation Bldg. Greater Peoria Airport	10/14/79	Present	800 ft.ENE	40°40'	89°41'	652	f20	NA i5	5	f90 h40	f32 g4	f33 g4	f31 g4	f5 j5	NA	f - Not moved 10/24/79. g - Moved to new site 10/27/79. h - Moved to new site 11/7/79. i - Installed 3/10/80. j - Type change 10/17/84.

* Type
M = AMOS
T = AUTOB
S = ASOS
W = AWOS

SUBSCRIPTION:
Price and ordering information available through: National Climatic Data Center, Federal Building, Asheville, North Carolina 28801.

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1989 LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

PEORIA,
ILLINOIS

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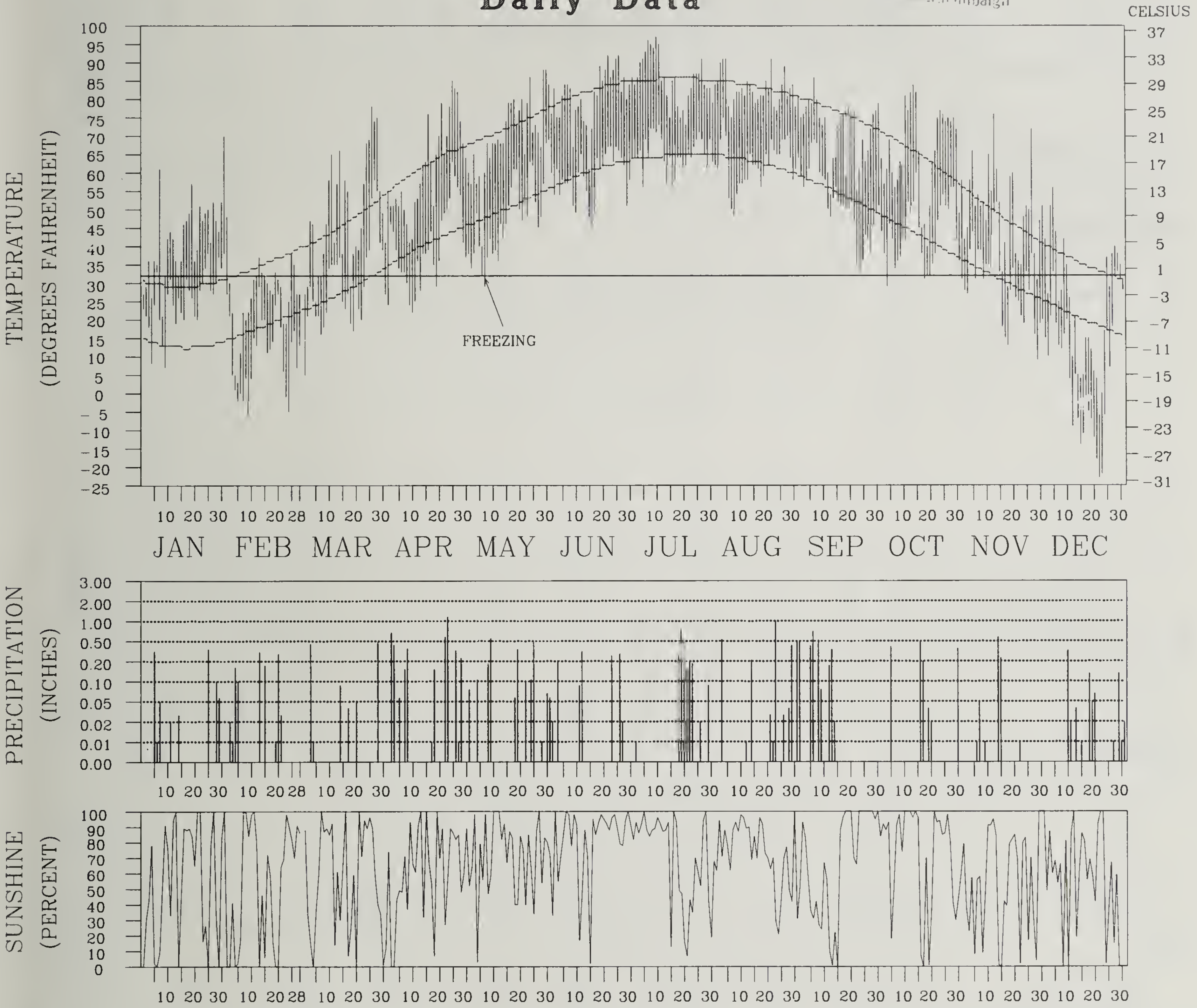

TEMPERATURE DEPICTS NORMAL MAXIMUM, NORMAL MINIMUM AND ACTUAL DAILY HIGH AND LOW VALUES (FAHRENHEIT)
PRECIPITATION IS MEASURED IN INCHES, SCALE IS NON-LINEAR
SUNSHINE IS PERCENT OF THE POSSIBLE SUNSHINE

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Kenneth D Hadeen
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

noaa

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METEOROLOGICAL DATA FOR 1989

PEORIA, ILLINOIS

LATITUDE: 40°40' N LONGITUDE: 89°41' W ELEVATION: FT. GRND 652 BARO 683 TIME ZONE: CENTRAL WBAN: 14842

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:													
Averages													
-Daily Maximum	42.3	26.5	48.9	61.8	70.5	81.0	85.6	82.8	72.4	66.4	50.0	25.3	59.5
-Daily Minimum	25.4	10.9	29.5	39.5	47.6	58.6	65.0	61.9	52.0	43.4	29.6	7.1	39.2
-Monthly	33.9	18.7	39.2	50.7	59.1	69.8	75.3	72.4	62.2	54.9	39.8	16.2	49.4
-Monthly Dewpt.	26.5	12.6	29.7	39.3	46.7	58.0	65.2	63.4	53.8	43.2	30.2	9.3	39.8
Extremes													
-Highest	70	48	78	85	88	92	97	91	86	84	76	56	97
-Date	31	1	26	25	30	26	10	22	7	14	13	5	JUL 10
-Lowest	7	-6	5	22	29	45	56	48	33	29	9	-23	-23
-Date	9	9	1	10	7	16	16	8	24	4	29	22	DEC 22
DEGREE DAYS BASE 65 °F:													
Heating	958	1290	796	442	231	25	0	3	134	317	749	1509	6454
Cooling	0	0	2	20	56	177	324	240	57	11	0	0	887
% OF POSSIBLE SUNSHINE	55	53	56	63	71	80	70	73	67	71	54	55	65
AVG. SKY COVER (tenths)													
Sunrise - Sunset	5.8	6.5	7.6	7.2	6.0	5.6	5.7	6.0	5.4	5.1	6.3	6.6	6.2
Midnight - Midnight	5.1	6.2	6.8	6.5	5.5	5.2	5.4	5.5	5.0	4.8	6.2	6.1	5.7
NUMBER OF DAYS:													
Sunrise to Sunset													
-Clear	11	6	3	3	9	9	9	8	12	12	8	8	98
-Partly Cloudy	7	8	9	9	9	10	10	11	3	8	7	6	97
-Cloudy	13	14	19	18	13	11	12	12	15	11	15	17	170
Precipitation .01 inches or more	8	9	6	12	12	7	9	10	8	6	6	11	104
Snow, Ice pellets 1.0 inches or more	0	5	0	0	0	0	0	0	0	0	0	3	8
Thunderstorms	1	0	3	5	7	4	7	8	6	1	4	0	46
Heavy Fog, visibility 1/4 mile or less	8	0	2	1	1	0	1	1	0	0	0	1	15
Temperature °F													
-Maximum													
90° and above	0	0	0	0	0	3	9	4	0	0	0	0	16
32° and below	6	22	6	0	0	0	0	0	0	0	2	19	55
-Minimum													
32° and below	25	28	19	7	2	0	0	0	0	4	17	29	131
0° and below	0	6	0	0	0	0	0	0	0	0	0	12	18
AVG. STATION PRESS. (mb)	994.6	1001.4	994.9	991.4	991.5	991.2	993.6	992.6	995.9	994.9	990.9	997.1	994.2
RELATIVE HUMIDITY (%)													
Hour 00 (Local Time)	81	80	79	74	76	78	84	87	85	77	75	78	80
Hour 06 (Local Time)	84	84	83	84	80	86	89	93	92	84	81	80	85
Hour 12 (Local Time)	66	68	59	56	54	53	60	61	65	54	62	68	61
Hour 18 (Local Time)	72	73	63	56	54	53	63	65	69	64	64	73	64
PRECIPITATION (inches):													
Water Equivalent													
-Total	1.00	1.17	1.14	4.39	2.23	1.28	2.22	2.86	2.87	1.57	0.93	0.87	22.53
-Greatest (24 hrs)	0.38	0.34	0.49	1.82	0.77	0.38	0.98	1.03	1.18	0.70	0.78	0.38	1.82
-Date	25	20-21	28	22-23	8- 9	11-12	18-19	23	5- 6	16-17	14-15	10-11	APR 22-23
Snow, Ice pellets													
-Total	0.3	15.2	T	0.9	T	0.0	0.0	0.0	0.0	0.6	T	10.5	27.5
-Greatest (24 hrs)	0.3	4.4	T	0.9	T	0.0	0.0	0.0	0.0	0.6	T	5.5	5.5
-Date	14	20-21	31	8	6					19-20	28	10-11	DEC 10-11
WIND:													
Resultant													
-Direction (!!)	223	317	076	238	203	262	070	162	058	232	249	282	251
-Speed (mph)	5.5	4.1	1.7	1.4	1.0	0.9	1.5	1.6	1.7	1.7	4.0	3.8	1.1
Average Speed (mph)	11.2	10.8	11.0	8.8	8.6	6.7	6.8	7.1	6.8	8.9	10.7	9.0	8.9
Fastest Obs. 1 Min.													
-Direction (!!)	28	31	27	36	18	29	05	25	35	30	24	31	36
-Speed (mph)	30	25	35	37	26	29	21	30	28	24	30	31	37
-Date	7	26	15	26	24	26	20	3	22	20	27	2	APR 26
Peak Gust													
-Direction (!!)	W	NW	W	N	W	W	NE	W	N	S	W	NW	N
-Speed (mph)	51	37	48	69	44	46	33	41	44	40	44	49	69
-Date	7	8	14	26	24	23	20	3	22	11	9	2	APR 26

(!!) See Reference Notes on Page 6B

NORMALS, MEANS, AND EXTREMES

PEORIA, ILLINOIS

LATITUDE: 40 °40'N LONGITUDE: 89 °41' W ELEVATION: FT. GRND 652 BARO 683 TIME ZONE: CENTRAL WBAN: 14842

	(a)	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:														
Normals														
-Daily Maximum		29.7	35.2	46.5	61.9	72.5	82.1	85.5	83.4	76.7	64.8	48.5	35.4	60.2
-Daily Minimum		13.3	18.4	28.1	40.6	50.6	60.2	64.6	62.7	54.5	42.9	30.9	20.2	40.6
-Monthly		21.5	26.8	37.3	51.3	61.6	71.2	75.0	73.1	65.6	53.9	39.8	27.8	50.4
Extremes														
-Record Highest	50	70	72	86	92	93	105	103	103	100	90	81	71	105
-Year		1989	1976	1986	1986	1987	1988	1940	1988	1953	1963	1950	1982	JUN 1988
-Record Lowest	50	-25	-18	-10	14	25	39	47	41	26	19	-2	-23	-25
-Year		1977	1979	1960	1982	1966	1945	1972	1986	1942	1972	1977	1989	JAN 1977
NORMAL DEGREE DAYS:														
Heating (base 65°F)		1349	1070	859	411	176	22	0	5	64	361	756	1153	6226
Cooling (base 65°F)		0	0	0	0	71	208	314	256	82	17	0	0	948
% OF POSSIBLE SUNSHINE	46	47	50	51	55	60	67	69	67	65	61	44	41	56
MEAN SKY COVER (tenths)														
Sunrise - Sunset	46	6.8	6.7	7.0	6.7	6.3	6.0	5.5	5.5	5.2	5.3	6.8	7.0	6.2
MEAN NUMBER OF DAYS:														
Sunrise to Sunset														
-Clear	46	7.4	6.9	6.0	6.4	7.2	7.3	9.3	10.1	11.1	11.2	7.0	6.6	96.4
-Partly Cloudy	46	6.0	5.8	7.3	8.0	9.6	10.5	12.0	10.3	8.5	7.7	6.1	6.0	97.8
-Cloudy	46	17.7	15.6	17.7	15.6	14.2	12.2	9.7	10.6	10.4	12.1	16.9	18.4	171.1
Precipitation .01 inches or more	50	9.3	8.3	10.8	11.7	11.3	9.6	8.6	8.2	8.6	7.7	9.1	9.8	113.1
Snow, Ice pellets 1.0 inches or more	46	2.2	1.7	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.*	0.6	2.0	8.2
Thunderstorms	46	0.6	0.6	2.6	5.1	6.7	8.3	7.8	6.8	5.1	2.5	1.4	0.7	47.9
Heavy Fog Visibility 1/4 mile or less	46	3.0	2.7	2.2	0.9	0.9	0.6	1.0	1.4	1.3	1.5	2.1	3.4	21.2
Temperature °F														
-Maximum														
90° and above	30	0.0	0.0	0.0	0.1	0.5	4.7	8.3	5.1	1.7	0.*	0.0	0.0	20.4
32° and below	30	17.8	12.2	4.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.7	12.9	48.7
-Minimum														
32° and below	30	29.4	25.5	19.9	5.8	0.5	0.0	0.0	0.0	0.1	4.5	17.0	26.7	129.3
0° and below	30	6.7	3.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.0	13.4
AVG. STATION PRESS. (mb)	17	995.4	995.0	991.6	990.8	990.4	991.0	992.4	993.2	993.8	994.6	993.6	994.9	993.1
RELATIVE HUMIDITY (%)														
Hour 00 (Local Time)	30	77	78	76	71	74	76	82	83	82	78	79	81	78
Hour 06 (Local Time)	30	78	80	81	78	80	81	86	89	88	85	83	83	83
Hour 12 (Local Time)	30	68	67	62	55	56	56	59	60	59	58	66	71	61
Hour 18 (Local Time)	30	72	70	64	55	55	56	60	63	64	63	71	76	64
PRECIPITATION (inches):														
Water Equivalent														
-Normal		1.60	1.41	2.86	3.81	3.84	3.88	3.99	3.39	3.63	2.51	1.96	2.01	34.89
-Maximum Monthly	50	8.11	5.18	6.95	8.66	7.96	11.69	8.42	8.61	13.09	10.80	7.62	6.34	13.09
-Year		1965	1942	1973	1947	1957	1974	1958	1965	1961	1941	1985	1949	SEP 1961
-Minimum Monthly	50	0.22	0.33	0.39	0.71	1.04	0.60	0.33	0.78	0.03	0.03	0.43	0.33	0.03
-Year		1986	1947	1958	1971	1964	1988	1988	1984	1979	1964	1953	1962	SEP 1979
-Maximum in 24 hrs	46	4.45	1.92	3.39	5.06	3.62	4.44	3.56	4.32	4.15	3.70	2.45	3.38	5.06
-Year		1965	1954	1944	1950	1956	1974	1953	1955	1961	1969	1946	1949	APR 1950
Snow, Ice pellets														
-Maximum Monthly	46	24.7	15.2	16.9	13.4	0.1	0.0	0.0	0.0	0.0	1.8	9.1	21.7	24.7
-Year		1979	1989	1960	1982	1966					1967	1974	1977	JAN 1979
-Maximum in 24 hrs	46	12.2	7.6	9.0	6.1	0.1	0.0	0.0	0.0	0.0	1.8	7.2	10.2	12.2
-Year		1979	1944	1946	1982	1966					1967	1951	1973	JAN 1979
WIND:														
Mean Speed (mph)	46	11.2	11.2	12.1	11.9	10.0	8.9	7.8	7.7	8.5	9.4	11.0	10.9	10.1
Prevailing Direction through 1963		S	WNW	WNW	S	S	S	S	S	S	S	S	S	S
Fastest Mile														
-Direction (!!)	41	S	W	W	SW	SW	NW	NW	W	W	SW	W	SW	NW
-Speed (MPH)	41	54	52	56	66	61	66	75	65	73	60	56	58	75
-Year		1950	1953	1959	1947	1950	1981	1953	1956	1965	1958	1964	1948	JUL 1953
Peak Gust														
-Direction (!!)	6	NW	NW	NW	N	W	NW	W	22	S	W	S	NE	N
-Speed (mph)	6	53	48	51	69	55	63	48	52	49	48	62	59	69
-Date		1985	1987	1988	1989	1988	1987	1984	1987	1986	1985	1988	1987	APR 1989

(!!) See Reference Notes on Page 6B.

PRECIPITATION (inches)

PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
1975	2.59	2.85	1.73	3.92	5.19	3.90	4.26	5.62	2.74	3.63	2.75	2.04	41.22
1976	0.78	2.56	4.25	4.86	5.11	2.92	2.98	2.30	1.78	2.48	0.83	0.38	31.23
1977	1.22	0.95	4.41	1.24	3.54	2.06	3.43	7.28	6.26	4.00	1.77	2.25	38.41
1978	0.69	0.59	1.56	4.69	7.72	1.96	3.47	1.28	2.32	1.73	2.54	3.54	32.09
1979	2.48	1.37	4.42	4.48	1.96	1.77	4.81	0.87	0.03	1.70	2.76	2.33	28.98
1980	0.59	1.06	2.79	2.78	2.05	8.94	1.43	6.16	4.09	2.44	0.67	2.25	35.25
1981	0.48	2.41	0.92	5.71	5.77	6.22	7.08	5.61	1.31	1.37	1.64	1.24	39.76
1982	2.88	1.13	4.80	5.40	3.15	3.15	7.53	3.97	1.24	1.47	4.95	5.45	45.12
1983	0.53	1.01	2.84	7.06	6.66	4.48	1.99	1.09	5.08	3.01	5.58	2.65	41.98
1984	0.59	2.28	3.95	5.18	4.84	2.90	5.02	0.78	2.38	5.07	3.95	3.82	40.76
1985	0.99	2.62	5.77	1.14	3.14	5.11	3.43	3.70	3.43	4.61	7.62	2.24	43.80
1986	0.22	1.79	0.87	1.39	2.95	6.53	7.00	1.74	6.39	4.64	1.32	2.60	37.44
1987	1.49	0.84	1.98	1.84	1.69	3.27	2.90	4.02	1.62	0.73	2.88	4.15	27.41
1988	1.99	0.71	2.83	1.59	1.68	0.60	0.33	2.11	2.82	1.08	4.19	2.23	22.16
1989	1.00	1.17	1.14	4.39	2.23	1.28	2.22	2.86	2.87	1.57	0.93	0.87	22.53
Record Mean	1.75	1.76	2.80	3.54	3.90	3.87	3.78	3.07	3.67	2.47	2.35	2.06	35.01

See Reference Notes on Page 6B.

AVERAGE TEMPERATURE (deg. F)

PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	66.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
1975	27.5	26.1	33.8	47.0	64.6	72.1	73.8	74.7	60.9	55.3	44.9	30.2	50.9
1976	19.5	34.9	43.9	54.1	58.2	70.5	75.3	70.3	63.3	47.3	32.0	21.0	49.2
1977	8.6	27.0	44.6	57.1	68.6	70.2	78.2	71.4	66.4	51.3	40.3	22.8	50.5
1978	13.3	15.4	32.4	51.2	60.3	71.3	75.0	73.2	70.5	52.1	41.3	26.8	48.6
1979	9.4	14.7	37.9	47.7	60.5	71.2	73.0	72.5	65.6	52.6	38.0	31.8	47.9
1980	23.6	19.9	35.6	49.2	63.0	69.3	78.5	76.9	67.9	49.6	40.7	28.9	50.2
1981	23.7	27.8	40.7	55.4	58.7	73.2	75.4	72.8	65.9	53.4	45.0	27.3	51.6
1982	15.8	24.8	37.7	46.5	68.4	67.2	75.7	71.3	64.9	55.0	41.5	37.4	50.5
1983	28.2	33.5	40.3	46.8	58.6	72.6	80.2	80.8	67.9	55.3	44.9	15.2	52.0
1984	20.6	35.5	31.3	49.6	58.8	74.3	73.0	74.9	64.0	57.6	40.3	33.9	51.2
1985	16.8	23.2	43.8	57.0	64.3	68.7	73.7	70.2	66.6	55.5	39.0	18.6	49.8
1986	26.6	23.5	43.2	55.4	64.0	72.3	77.4	68.9	68.9	55.2	36.2	30.9	51.9
1987	25.2	35.7	44.1	54.1	68.4	74.0	79.0	73.7	65.7	48.0	44.6	32.4	53.7
1988	22.7	23.5	39.9	51.1	65.4	73.1	78.6	78.5	68.2	48.2	41.5	29.7	51.7
1989	33.9	18.7	39.2	50.7	59.1	69.8	75.3	72.4	62.2	54.9	39.8	16.2	49.4
Record Mean	23.8	27.5	38.7	51.0	61.7	71.3	75.7	73.7	66.2	54.3	40.3	28.3	51.1
Max	31.9	35.8	48.0	61.5	72.6	82.2	86.5	84.4	77.3	65.2	49.1	35.9	60.9
Min	15.6	19.2	29.3	40.6	50.7	60.5	64.8	62.9	55.1	43.5	31.6	20.6	41.2

See Reference Notes on Page 6B.

HEATING DEGREE DAYS Base 65 deg. F PEORIA, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1960-61	2	0	53	342	724	1278	1351	922	750	612	277	29	6340
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6569
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974-75	0	1	157	354	756	1081	1156	1085	959	534	92	17	6192
1975-76	13	1	171	306	596	1069	1404	868	648	351	221	5	5653
1976-77	0	9	106	556	981	1357	1747	1061	623	273	60	17	6790
1977-78	0	6	39	418	734	1301	1595	1383	1006	405	222	14	7123
1978-79	0	4	49	390	704	1174	1722	1403	833	510	194	10	6993
1979-80	3	19	70	401	804	1022	1279	1300	907	474	123	26	6428
1980-81	0	0	65	470	722	1112	1273	1037	748	295	221	1	5944
1981-82	1	0	60	360	594	1163	1520	1119	839	548	29	28	6261
1982-83	0	13	94	325	697	849	1133	875	758	537	206	17	5504
1983-84	2	0	92	311	595	1541	1371	849	1038	467	206	1	6473
1984-85	1	1	153	246	734	956	1489	1164	656	284	71	38	5793
1985-86	0	6	111	287	774	1432	1184	1156	683	314	92	7	6046
1986-87	0	26	37	305	858	1048	1228	814	640	340	53	2	5351
1987-88	0	16	68	520	609	1001	1306	1198	772	409	64	12	5975
1988-89	0	4	38	517	698	1090	958	1290	796	442	231	25	6089
1989-90	0	3	134	317	749	1509							

See Reference Notes on Page 6B.

COOLING DEGREE DAYS Base 65 deg. F PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817
1975	0	0	0	0	83	237	292	307	55	14	0	0	988
1976	0	0	0	28	14	176	326	180	62	14	0	0	800
1977	0	0	0	42	176	179	416	209	88	0	0	0	1110
1978	0	0	0	0	81	208	316	267	221	0	0	0	1093
1979	0	0	0	0	62	206	259	258	95	23	0	0	903
1980	0	0	0	6	70	160	425	378	156	1	0	0	1196
1981	0	0	0	13	33	250	331	250	93	6	1	0	977
1982	0	0	0	0	141	101	338	215	96	26	0	0	917
1983	0	0	0	0	14	250	479	494	188	17	0	0	1442
1984	0	0	0	12	24	285	256	315	129	22	0	0	1043
1985	0	0	3	48	54	155	279	173	164	0	0	0	876
1986	0	0	15	30	68	234	392	157	161	6	0	0	1063
1987	0	0	0	19	166	278	440	293	92	0	3	0	1291
1988	0	0	0	2	84	266	431	428	140	5	0	0	1356
1989	0	0	2	20	56	177	324	240	57	11	0	0	887

See Reference Notes on Page 6B.

SNOWFALL (inches)

PEORIA, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1960-61	0.0	0.0	0.0	0.0	0.3	4.6	3.5	5.3	0.7	1.2	0.0	0.0	15.6
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2	8.8	12.8	3.8	1.6	0.0	0.0	42.3
1975-76	0.0	0.0	0.0	0.0	8.1	1.4	8.6	2.5	2.0	0.0	0.0	0.0	22.6
1976-77	0.0	0.0	0.0	T	0.4	4.1	16.3	4.1	2.4	1.4	0.0	0.0	28.7
1977-78	0.0	0.0	0.0	0.0	6.4	21.7	7.0	7.0	5.0	0.0	0.0	0.0	47.1
1978-79	0.0	0.0	0.0	0.0	2.6	14.2	24.7	3.6	6.5	T	0.0	0.0	51.6
1979-80	0.0	0.0	0.0	0.0	0.8	0.1	3.7	11.3	5.3	6.3	0.0	0.0	27.5
1980-81	0.0	0.0	0.0	T	4.1	3.3	5.9	10.5	T	0.0	0.0	0.0	23.8
1981-82	0.0	0.0	0.0	0.0	0.1	9.8	11.0	6.1	6.5	13.4	0.0	0.0	46.9
1982-83	0.0	0.0	0.0	0.0	0.9	2.0	5.6	4.8	5.7	0.1	0.0	0.0	19.1
1983-84	0.0	0.0	0.0	0.0	3.3	15.9	6.9	4.1	6.0	0.0	0.0	0.0	36.2
1984-85	0.0	0.0	0.0	0.0	T	0.9	9.8	6.2	T	T	0.0	0.0	16.9
1985-86	0.0	0.0	0.0	0.0	1.0	6.2	1.3	13.9	0.4	0.1	0.0	0.0	22.9
1986-87	0.0	0.0	0.0	0.0	1.0	T	18.0	0.1	T	0.0	0.0	0.0	19.1
1987-88	0.0	0.0	0.0	T	0.3	9.8	1.9	9.7	1.9	0.0	0.0	0.0	23.6
1988-89	0.0	0.0	0.0	0.0	0.7	4.7	0.3	15.2	T	0.9	T	0.0	21.8
1989-90	0.0	0.0	0.0	0.6	T	10.5							
Record Mean	0.0	0.0	0.0	0.1	2.1	6.1	6.5	5.4	4.2	0.9	T	0.0	25.3

See Reference Notes on Page 6B.

REFERENCE NOTES

PEORIA, ILLINOIS

GENERAL
T - TRACE AMOUNT.
BLANK ENTRIES DENOTE MISSING/UNREPORTED DATA.
# INDICATES A STATION OR INSTRUMENT RELOCATION.
SEE STATION LOCATION TABLE ON PAGE B.

SPECIFIC
PAGE 2
PM - INCLUDES LAST DAY OF PREVIOUS MONTH

PAGE 3
(a) - LENGTH OF RECORD IN YEARS, ALTHOUGH
INDIVIDUAL MONTHS MAY BE MISSING.
0.* OR * THE VALUE IS BETWEEN 0.0 AND 0.05
NORMALS - BASED ON THE 1951-1980 RECORD PERIOD.
EXTREMES - DATES ARE THE MOST RECENT OCCURRENCE
WIND DIR.- NUMERALS SHOW TENS OF DEGRESS CLOCKWISE
FROM TRUE NORTH. "00" INDICATES CALM.
RESULTANT DIRECTIONS ARE GIVEN TO WHOLE DEGREES.

PAGE 4B
MAX AND MIN ARE LONG TERM MEAN DAILY MAXIMUM
AND MEAN DAILY MINIMUM TEMPERATURES.

EXCEPTIONS

PAGES 4A, 4B, 6A
RECORD MEANS ARE THROUGH THE CURRENT YEAR,
BEGINNING IN 1905 FOR TEMPERATURE
1856 FOR PRECIPITATION
1944 FOR SNOWFALL

PEORIA,
ILLINOIS

The airport station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good. The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

June and September are usually the most pleasant months of the year. Then during October or the first of November, Indian Summer is often experienced with an extended period of warm, dry weather.

Precipitation is normally heaviest during the growing season and lowest during midwinter.

The earliest snowfalls have occurred in September and the latest in the spring have occurred as late as May. Heavy snowfalls have rarely exceeded 20 inches.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 20 and the average last occurrence in the spring is April 24.

STATION LOCATION

PEORIA, ILLINOIS

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above									Automatic Observing Equipment *	* Type M = AMOS T = AUTOB Remarks
						Sea level	Ground									
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Sunshine Switch	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer		
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40° 41'	89° 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40° 41'	89° 36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40° 41'	89° 36'	460										
Corner of Pecan & Meyer	1869	1872	9 blks. WSW	40° 41'	89° 36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40° 41'	89° 36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40° 41'	89° 36'	495										
701 Fourth Street	1889	1905	9 blks. NW	40° 42'	89° 36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40° 43'	89° 36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Bldg. Municipal Airport 5 miles WSW of P. O.	3/01/35	5/04/43		40° 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Bldg. Municipal Airport	5/04/43	10/01/59	Not moved	40° 40'	89° 41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg. Greater Peoria Airport	10/01/59	10/24/79	2300 Ft WNW	40° 40'	89° 41'	652	20	6 e	6 d31	90	4 d32	4 d33	4 d31	5	NA	d - Moved to roof 12/22/76. e - Removed 12/22/76.
Business Aviation Bldg. Greater Peoria Airport	10/24/79	Present	800' ENE	40° 40'	89° 41'	652	f20	NA i5	5	f90 h40	f32 g4	f33 g4	f31 g4	f5 j5	NA	f - Not moved 10/24/79. g - Moved to new site 10/27/79. h - Moved to new site 11/7/79. i - Installed 3/10/80. j - Type change 10/17/84.

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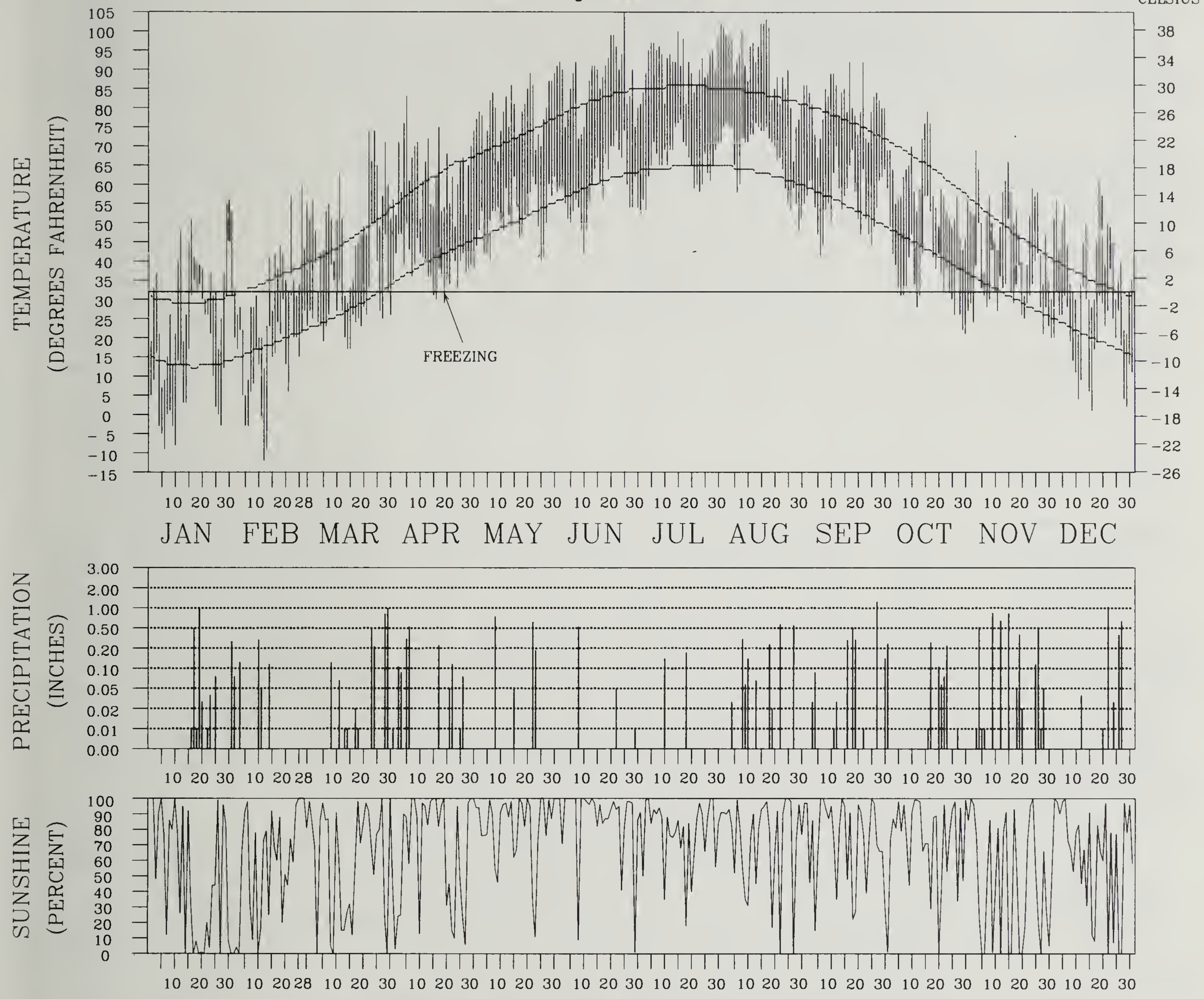
UNITED STATES OF AMERICA

1988 LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA
PEORIA,
ILLINOIS

Daily Data



TEMPERATURE DEPICTS NORMAL MAXIMUM, NORMAL MINIMUM AND ACTUAL DAILY HIGH AND LOW VALUES (FAHRENHEIT)
PRECIPITATION IS MEASURED IN INCHES, SCALE IS NON-LINEAR
SUNSHINE IS PERCENT OF THE POSSIBLE SUNSHINE

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Kenneth D Hadeen
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NATIONAL CLIMATIC DATA CENTER

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METEOROLOGICAL DATA FOR 1988

PEORIA, ILLINOIS

LATITUDE: 40°40′ N LONGITUDE: 89°41′ W ELEVATION: FT. GRND 652 BARO 683 TIME ZONE: CENTRAL WBAN: 14842

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:													
Averages													
-Daily Maximum	32.0	32.8	50.6	63.3	79.2	87.0	91.6	90.4	80.8	59.1	50.3	39.5	63.1
-Daily Minimum	13.4	14.2	29.2	38.9	51.5	59.2	65.6	66.5	55.6	37.3	32.7	19.8	40.3
-Monthly	22.7	23.5	39.9	51.1	65.4	73.1	78.6	78.5	68.2	48.2	41.5	29.7	51.7
-Monthly Dewpt.	14.8	16.1	28.8	34.6	44.6	52.8	62.0	63.7	53.3	33.8	33.7	20.5	38.2
Extremes													
-Highest	56	60	74	83	91	105	102	103	92	79	69	61	105
-Date	30	26	24	5	31	25	31	17	22	16	3	19	JUN 25
-Lowest	-9	-12	17	29	40	42	52	48	41	21	21	1	-12
-Date	6	12	15	19	25	10	1	29	6	30	28	16	FEB 12
DEGREE DAYS BASE 65 °F:													
Heating	1306	1198	772	409	64	12	0	4	38	517	698	1090	6108
Cooling	0	0	0	2	84	266	431	428	140	5	0	0	1356
% OF POSSIBLE SUNSHINE	49	59	58	67	83	86	79	73	72	73	44	63	69
AVG. SKY COVER (tenths)													
Sunrise - Sunset	6.6	5.9	7.0	5.5	4.7	4.6	5.2	4.5	5.0	5.1	7.2	6.2	5.6
Midnight - Midnight	6.0	5.2	6.4	4.8	4.6	4.2	4.3	3.9	4.5	4.4	6.9	5.4	5.1
NUMBER OF DAYS:													
Sunrise to Sunset													
-Clear	9	8	6	11	11	13	11	16	12	12	5	6	120
-Partly Cloudy	3	9	8	6	13	9	13	6	8	8	6	13	102
-Cloudy	19	12	17	13	7	8	7	9	10	11	19	12	144
Precipitation .01 inches or more	9	5	11	9	4	3	2	9	10	8	14	6	90
Snow,Ice pellets 1.0 inches or more	1	3	1	0	0	0	0	0	0	0	0	1	6
Thunderstorms	0	0	4	5	3	2	1	8	4	4	5	0	36
Heavy Fog, visibility 1/4 mile or less	2	0	2	1	0	0	0	0	0	0	2	1	8
Temperature °F													
-Maximum													
90° and above	0	0	0	0	1	15	21	17	2	0	0	0	56
32° and below	16	15	3	0	0	0	0	0	0	0	1	11	46
-Minimum													
32° and below	28	29	22	3	0	0	0	0	0	12	17	29	140
0° and below	8	5	0	0	0	0	0	0	0	0	0	0	13
AVG. STATION PRESS. (mb)	997.3	995.9	992.6	989.2	991.2	993.6	993.2	991.5	992.6	995.4	988.5	996.6	993.2
RELATIVE HUMIDITY (%)													
Hour 00	81	82	78	63	58	61	73	79	75	69	80	78	73
Hour 06 (Local Time)	82	83	84	77	69	68	83	87	85	80	84	81	80
Hour 12	64	64	56	43	37	37	44	47	48	45	66	60	51
Hour 18	69	71	54	45	37	35	42	48	48	51	73	66	53
PRECIPITATION (inches):													
Water Equivalent													
-Total	1.99	0.71	2.83	1.59	1.68	0.60	0.33	2.11	2.82	1.08	4.19	2.23	22.16
-Greatest (24 hrs)	1.01	0.34	1.21	0.88	0.84	0.54	0.18	0.60	1.33	0.42	0.88	1.07	1.33
-Date	19	10-11	28-29	5- 6	22-23	8	18	22	27	PM- 1	9	22	SEP 27
Snow,Ice pellets													
-Total	1.9	9.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	4.7	18.9
-Greatest (24 hrs)	1.0	5.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	4.0	5.7
-Date	25	10-11	29								27-28	27	FEB 10-11
WIND:													
Resultant													
-Direction (!!)	236	286	234	319	119	103	190	210	183	273	221	250	239
-Speed (mph)	5.1	4.5	2.2	2.9	2.2	0.9	1.5	2.7	2.5	4.2	5.0	4.1	2.2
Average Speed (mph)	12.1	11.3	12.5	11.4	9.3	8.8	6.7	7.8	8.2	9.5	12.1	10.6	10.0
Fastest Obs. 1 Min.													
-Direction (!!)	30	30	30	27	28	05	23	02	34	30	20	31	20
-Speed (mph)	32	26	31	35	35	21	18	23	29	26	48	28	48
-Date	4	14	26	27	8	3	16	8	27	23	15	16	NOV 15
Peak Gust													
-Direction (!!)	W	NW	NW	W	W	NE	W	N	N	NW	S	SW	S
-Speed (mph)	45	39	51	56	55	37	29	33	48	43	62	38	62
-Date	12	20	26	5	8	8	16	8	27	23	15	23	NOV 15

(!!) See Reference Notes on Page 6B

NORMALS, MEANS, AND EXTREMES

PEORIA, ILLINOIS

LATITUDE: 40°40'N LONGITUDE: 89°41' W ELEVATION: FT. GRND 652 BARO 683 TIME ZONE: CENTRAL WBAN: 14842

	(a)	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:														
Normals														
-Daily Maximum		29.7	35.2	46.5	61.9	72.5	82.1	85.5	83.4	76.7	64.8	48.5	35.4	60.2
-Daily Minimum		13.3	18.4	28.1	40.6	50.6	60.2	64.6	62.7	54.5	42.9	30.9	20.2	40.6
-Monthly		21.5	26.8	37.3	51.3	61.6	71.2	75.0	73.1	65.6	53.9	39.8	27.8	50.4
Extremes														
-Record Highest	49	68	72	86	92	93	105	103	103	100	90	81	71	105
-Year		1950	1976	1986	1986	1987	1988	1940	1988	1953	1963	1950	1982	JUN 1988
-Record Lowest	49	-25	-18	-10	14	25	39	47	41	26	19	-2	-18	-25
-Year		1977	1979	1960	1982	1966	1945	1972	1986	1942	1972	1977	1983	JAN 1977
NORMAL DEGREE DAYS:														
Heating (base 65°F)		1349	1070	859	411	176	22	0	5	64	361	756	1153	6226
Cooling (base 65°F)		0	0	0	0	71	208	314	256	82	17	0	0	948
% OF POSSIBLE SUNSHINE	45	47	50	51	55	60	67	69	67	65	61	44	41	56
MEAN SKY COVER (tenths)														
Sunrise - Sunset	45	6.8	6.7	7.0	6.7	6.3	6.0	5.4	5.5	5.2	5.4	6.8	7.0	6.2
MEAN NUMBER OF DAYS:														
Sunrise to Sunset														
-Clear	45	7.3	6.9	6.1	6.5	7.2	7.2	9.3	10.2	11.1	11.2	6.9	6.6	96.3
-Partly Cloudy	45	5.9	5.7	7.3	8.0	9.6	10.5	12.1	10.3	8.6	7.7	6.1	6.0	97.8
-Cloudy	45	17.8	15.6	17.7	15.5	14.2	12.3	9.6	10.5	10.3	12.1	17.0	18.5	171.2
Precipitation .01 inches or more	49	9.3	8.3	10.9	11.7	11.3	9.7	8.6	8.2	8.7	7.8	9.1	9.8	113.2
Snow,Ice pellets 1.0 inches or more	45	2.2	1.6	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.*	0.6	2.0	8.2
Thunderstorms	45	0.6	0.6	2.6	5.1	6.6	8.4	7.8	6.7	5.0	2.5	1.3	0.7	48.0
Heavy Fog Visibility 1/4 mile or less	45	2.9	2.8	2.2	0.9	0.9	0.6	1.0	1.4	1.3	1.5	2.2	3.4	21.3
Temperature °F														
-Maximum														
90° and above	29	0.0	0.0	0.0	0.1	0.5	4.7	8.3	5.1	1.8	0.*	0.0	0.0	20.6
32° and below	29	18.2	11.8	3.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.7	12.7	48.4
-Minimum														
32° and below	29	29.6	25.4	19.9	5.7	0.4	0.0	0.0	0.0	0.1	4.6	17.0	26.7	129.3
0° and below	29	7.0	3.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.7	13.2
AVG. STATION PRESS.(mb)	16	995.5	994.7	991.4	990.7	990.3	991.0	992.3	993.2	993.7	994.6	993.7	994.7	993.0
RELATIVE HUMIDITY (%)														
Hour 00	29	77	78	76	71	74	76	82	83	82	78	79	81	78
Hour 06 (Local Time)	29	78	80	81	78	80	81	86	88	88	85	83	83	83
Hour 12	29	68	67	62	55	56	56	59	60	58	58	66	71	61
Hour 18	29	72	70	64	55	55	56	60	63	63	63	71	76	64
PRECIPITATION (inches):														
Water Equivalent														
-Normal		1.60	1.41	2.86	3.81	3.84	3.88	3.99	3.39	3.63	2.51	1.96	2.01	34.89
-Maximum Monthly	49	8.11	5.18	6.95	8.66	7.96	11.69	8.42	8.61	13.09	10.80	7.62	6.34	13.09
-Year		1965	1942	1973	1947	1957	1974	1958	1965	1961	1941	1985	1949	SEP 1961
-Minimum Monthly	49	0.22	0.33	0.39	0.71	1.04	0.60	0.33	0.78	0.03	0.03	0.43	0.33	0.03
-Year		1986	1947	1958	1971	1964	1988	1988	1984	1979	1964	1953	1962	SEP 1979
-Maximum in 24 hrs	45	4.45	1.92	3.39	5.06	3.62	4.44	3.56	4.32	4.15	3.70	2.45	3.38	5.06
-Year		1965	1954	1944	1950	1956	1974	1953	1955	1961	1969	1946	1949	APR 1950
Snow,Ice pellets														
-Maximum Monthly	45	24.7	13.9	16.9	13.4	0.1	0.0	0.0	0.0	0.0	1.8	9.1	21.7	24.7
-Year		1979	1986	1960	1982	1966					1967	1974	1977	JAN 1979
-Maximum in 24 hrs	45	12.2	7.6	9.0	6.1	0.1	0.0	0.0	0.0	0.0	1.8	7.2	10.2	12.2
-Year		1979	1944	1946	1982	1966					1967	1951	1973	JAN 1979
WIND:														
Mean Speed (mph)	45	11.2	11.2	12.1	12.0	10.1	9.0	7.9	7.7	8.5	9.4	11.0	10.9	10.1
Prevailing Direction through 1963		S	WNW	WNW	S	S	S	S	S	S	S	S	S	S
Fastest Mile														
-Direction (!!)	41	S	W	W	SW	SW	NW	NW	W	W	SW	W	SW	NW
-Speed (MPH)	41	54	52	56	66	61	66	75	65	73	60	56	58	75
-Year		1950	1953	1959	1947	1950	1981	1953	1956	1965	1958	1964	1948	JUL 1953
Peak Gust														
-Direction (!!)	5	NW	NW	NW	SW	W	NW	W	22	S	W	S	NE	NW
-Speed (mph)	5	53	48	51	59	55	63	48	52	49	48	62	59	63
-Date		1985	1987	1988	1984	1988	1987	1984	1987	1986	1985	1988	1987	JUN 1987

(!!) See Reference Notes on Page 6B.

PRECIPITATION (inches)

PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1959	1.71	1.84	3.46	2.50	5.09	1.03	2.83	2.25	3.51	3.56	0.96	1.89	30.63
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
1975	2.59	2.85	1.73	3.92	5.19	3.90	4.26	5.62	2.74	3.63	2.75	2.04	41.22
1976	0.78	2.56	4.25	4.86	5.11	2.92	2.98	2.30	1.78	2.48	0.83	0.38	31.23
1977	1.22	0.95	4.41	1.24	3.54	2.06	3.43	7.28	6.26	4.00	1.77	2.25	38.41
1978	0.69	0.59	1.56	4.69	7.72	1.96	3.47	1.28	2.32	1.73	2.54	3.54	32.09
1979	2.48	1.37	4.42	4.48	1.96	1.77	4.81	0.87	0.03	1.70	2.76	2.33	28.98
1980	0.59	1.06	2.79	2.78	2.05	8.94	1.43	6.16	4.09	2.44	0.67	2.25	35.25
1981	0.48	2.41	0.92	5.71	5.77	6.22	7.08	5.61	1.31	1.37	1.64	1.24	39.76
1982	2.88	1.13	4.80	5.40	3.15	3.15	7.53	3.97	1.24	1.47	4.95	5.45	45.12
1983	0.53	1.01	2.84	7.06	6.66	4.48	1.99	1.09	5.08	3.01	5.58	2.65	41.98
1984	0.59	2.28	3.95	5.18	4.84	2.90	5.02	0.78	2.38	5.07	3.95	3.82	40.76
1985	0.99	2.62	5.77	1.14	3.14	5.11	3.43	3.70	3.43	4.61	7.62	2.24	43.80
1986	0.22	1.79	0.87	1.39	2.95	6.53	7.00	1.74	6.39	4.64	1.32	2.60	37.44
1987	1.49	0.84	1.98	1.84	1.69	3.27	2.90	4.02	1.62	0.73	2.88	4.15	27.41
1988	1.99	0.71	2.83	1.59	1.68	0.60	0.33	2.11	2.82	1.08	4.19	2.23	22.16
Record Mean	1.75	1.77	2.81	3.53	3.91	3.89	3.79	3.07	3.68	2.47	2.36	2.07	35.11

See Reference Notes on Page 6B.

AVERAGE TEMPERATURE (deg. F)

PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
#1959	18.5	27.0	38.9	51.0	66.1	73.6	75.0	77.8	68.1	51.3	32.9	34.7	51.3
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	66.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
1975	27.5	26.1	33.8	47.0	64.6	72.1	73.8	74.7	60.9	55.3	44.9	30.2	50.9
1976	19.5	34.9	43.9	54.1	58.2	70.5	75.3	70.3	63.3	47.3	32.0	21.0	49.2
1977	8.6	27.0	44.6	57.1	68.6	70.2	78.2	71.4	66.4	51.3	40.3	22.8	50.5
1978	13.3	15.4	32.4	51.2	60.3	71.3	75.0	73.2	70.5	52.1	41.3	26.8	48.6
1979	9.4	14.7	37.9	47.7	60.5	71.2	73.0	72.5	65.6	52.6	38.0	31.8	47.9
1980	23.6	19.9	35.6	49.2	63.0	69.3	78.5	76.9	67.9	49.6	40.7	28.9	50.2
1981	23.7	27.8	40.7	55.4	58.7	73.2	75.4	72.8	65.9	53.4	45.0	27.3	51.6
1982	15.8	24.8	37.7	46.5	68.4	67.2	75.7	71.3	64.9	55.0	41.5	37.4	50.5
1983	28.2	33.5	40.3	46.8	58.6	72.6	80.2	80.8	67.9	55.3	44.9	15.2	52.0
1984	20.6	35.5	31.3	49.6	58.8	74.3	73.0	74.9	64.0	57.6	40.3	33.9	51.2
1985	16.8	23.2	43.8	57.0	64.3	68.7	73.7	70.2	66.6	55.5	39.0	18.6	49.8
1986	26.6	23.5	43.2	55.4	64.0	72.3	77.4	68.9	68.9	55.2	36.2	30.9	51.9
1987	25.2	35.7	44.1	54.1	68.4	74.0	79.0	73.7	65.7	48.0	44.6	32.4	53.7
1988	22.7	23.5	39.9	51.1	65.4	73.1	78.6	78.5	68.2	48.2	41.5	29.7	51.7
Record													
Mean	23.6	27.6	38.6	51.0	61.8	71.3	75.7	73.7	66.3	54.3	40.3	28.4	51.1
Max	31.8	36.0	47.9	61.5	72.7	82.2	86.5	84.4	77.4	65.2	49.1	36.0	60.9
Min	15.5	19.3	29.3	40.6	50.8	60.5	64.8	62.9	55.2	43.5	31.6	20.8	41.2

See Reference Notes on Page 6B.

HEATING DEGREE DAYS Base 65 deg. F PEORIA, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
#1959-60	1	0	66	421	954	930	1171	1183	1308	374	233	18	6659
1960-61	2	0	53	342	724	1278	1351	922	750	612	277	29	6340
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6569
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974-75	0	1	157	354	756	1081	1156	1085	959	534	92	17	6192
1975-76	13	1	171	306	596	1069	1404	868	648	351	221	5	5653
1976-77	0	9	106	556	981	1357	1747	1061	623	273	60	17	6790
1977-78	0	6	39	418	734	1301	1595	1383	1006	405	222	14	7123
1978-79	0	4	49	390	704	1174	1722	1403	833	510	194	10	6993
1979-80	3	19	70	401	804	1022	1279	1300	907	474	123	26	6428
1980-81	0	0	65	470	722	1112	1273	1037	748	295	221	1	5944
1981-82	1	0	60	360	594	1163	1520	1119	839	548	29	28	6261
1982-83	0	13	94	325	697	849	1133	875	758	537	206	17	5504
1983-84	2	0	92	311	595	1541	1371	849	1038	467	206	1	6473
1984-85	1	1	153	246	734	956	1489	1164	656	284	71	38	5793
1985-86	0	6	111	287	774	1432	1184	1156	683	314	92	7	6046
1986-87	0	26	37	305	858	1048	1228	814	640	340	53	2	5351
1987-88	0	16	68	520	609	1001	1306	1198	772	409	64	12	5975
1988-89	0	4	38	517	698	1090							

See Reference Notes on Page 6B.

COOLING DEGREE DAYS Base 65 deg. F PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817
1975	0	0	0	0	83	237	292	307	55	14	0	0	988
1976	0	0	0	28	14	176	326	180	62	14	0	0	800
1977	0	0	0	42	176	179	416	209	88	0	0	0	1110
1978	0	0	0	0	81	208	316	267	221	0	0	0	1093
1979	0	0	0	0	62	206	259	258	95	23	0	0	903
1980	0	0	0	6	70	160	425	378	156	1	0	0	1196
1981	0	0	0	13	33	250	331	250	93	6	1	0	977
1982	0	0	0	0	141	101	338	215	96	26	0	0	917
1983	0	0	0	0	14	250	479	494	188	17	0	0	1442
1984	0	0	0	12	24	285	256	315	129	22	0	0	1043
1985	0	0	3	48	54	155	279	173	164	0	0	0	876
1986	0	0	15	30	68	234	392	157	161	6	0	0	1063
1987	0	0	0	19	166	278	440	293	92	0	3	0	1291
1988	0	0	0	2	84	266	431	428	140	5	0	0	1356

See Reference Notes on Page 6B.

SNOWFALL (inches)

PEORIA, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1959-60	0.0	0.0	0.0	0.0	7.0	2.4	3.3	12.0	16.9	T	T	0.0	41.6
1960-61	0.0	0.0	0.0	0.0	0.3	4.6	3.5	5.3	0.7	1.2	0.0	0.0	15.6
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2	8.8	12.8	3.8	1.6	0.0	0.0	42.3
1975-76	0.0	0.0	0.0	0.0	8.1	1.4	8.6	2.5	2.0	0.0	0.0	0.0	22.6
1976-77	0.0	0.0	0.0	T	0.4	4.1	16.3	4.1	2.4	1.4	0.0	0.0	28.7
1977-78	0.0	0.0	0.0	0.0	6.4	21.7	7.0	7.0	5.0	0.0	0.0	0.0	47.1
1978-79	0.0	0.0	0.0	0.0	2.6	14.2	24.7	3.6	6.5	T	0.0	0.0	51.6
1979-80	0.0	0.0	0.0	0.0	0.8	0.1	3.7	11.3	5.3	6.3	0.0	0.0	27.5
1980-81	0.0	0.0	0.0	T	4.1	3.3	5.9	10.5	T	0.0	0.0	0.0	23.8
1981-82	0.0	0.0	0.0	0.0	0.1	9.8	11.0	6.1	6.5	13.4	0.0	0.0	46.9
1982-83	0.0	0.0	0.0	0.0	0.9	2.0	5.6	4.8	5.7	0.1	0.0	0.0	19.1
1983-84	0.0	0.0	0.0	0.0	3.3	15.9	6.9	4.1	6.0	0.0	0.0	0.0	36.2
1984-85	0.0	0.0	0.0	0.0	T	0.9	9.8	6.2	T	T	0.0	0.0	16.9
1985-86	0.0	0.0	0.0	0.0	1.0	6.2	1.3	13.9	0.4	0.1	0.0	0.0	22.9
1986-87	0.0	0.0	0.0	0.0	1.0	T	18.0	0.1	T	0.0	0.0	0.0	19.1
1987-88	0.0	0.0	0.0	T	0.3	9.8	1.9	9.7	1.9	0.0	0.0	0.0	23.6
1988-89	0.0	0.0	0.0	0.0	0.7	4.7							
Record Mean	0.0	0.0	0.0	T	2.1	6.0	6.7	5.2	4.3	0.9	T	0.0	25.2

See Reference Notes on Page 6B.

REFERENCE NOTES

PEORIA, ILLINOIS

GENERAL
T - TRACE AMOUNT.
BLANK ENTRIES DENOTE MISSING/UNREPORTED DATA.
# INDICATES A STATION OR INSTRUMENT RELOCATION.
SEE STATION LOCATION TABLE ON PAGE 8.

SPECIFIC
PAGE 2
PM - INCLUDES LAST DAY OF PREVIOUS MONTH

PAGE 3
(a) - LENGTH OF RECORD IN YEARS, ALTHOUGH INDIVIDUAL MONTHS MAY BE MISSING.
* LESS THAN .05
NORMALS - BASED ON THE 1951-1980 RECORD PERIOD.
EXTREMES - DATES ARE THE MOST RECENT OCCURRENCE
WIND DIR.- NUMERALS SHOW TENS OF DEGRESS CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM.
RESULTANT DIRECTIONS ARE GIVEN TO WHOLE DEGREES.

PAGE 4B
MAX AND MIN ARE LONG TERM MEAN DAILY MAXIMUM AND MEAN DAILY MINIMUM TEMPERATURES.

EXCEPTIONS

PAGES 4A, 4B, 6A
RECORD MEANS ARE THROUGH THE CURRENT YEAR, BEGINNING IN 1905 FOR TEMPERATURE
1856 FOR PRECIPITATION
1944 FOR SNOWFALL

PEORIA, ILLINOIS

The airport station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good. The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

June and September are usually the most pleasant months of the year. Then during October or the first of November, Indian Summer is often experienced with an extended period of warm, dry weather.

Precipitation is normally heaviest during the growing season and lowest during midwinter.

The earliest snowfalls have occurred in September and the latest in the spring have occurred as late as May. Heavy snowfalls have rarely exceeded 20 inches.

Based on the 1951–1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 20 and the average last occurrence in the spring is April 24.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above									Automatic Observing Equipment *	* Type M = AMOS T = AUTOB Remarks
						Sea level	Ground									
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Sunshine Switch	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer		
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40° 41'	89° 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40° 41'	89° 36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40° 41'	89° 36'	460										
Corner of Pecan & Meyer	1869	1872	9 blks. WSW	40° 41'	89° 36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40° 41'	89° 36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40° 41'	89° 36'	495										
701 Fourth Street	1889	1905	9 blks. NW	40° 42'	89° 36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40° 43'	89° 36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Bldg. Municipal Airport 5 miles WSW of P. O.	3/01/35	5/04/43		40° 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3/1/36. a – Added 3/1/36. b – 20 feet to 1/39.
Administration Bldg. Municipal Airport	5/04/43	10/01/59	Not moved	40° 40'	89° 41'	654	c50	7	7		4		3			c – 26 feet to 11/22/48.
New Administration Bldg. Greater Peoria Airport	10/01/59	10/24/79	2300 Ft WNW	40° 40'	89° 41'	652	20	6 e	6 d31	90	4 d32	4 d33	4 d31	5	NA	d - Moved to roof 12/22/76. e - Removed 12/22/76.
Business Aviation Bldg. Greater Peoria Airport	10/24/79	Present	800' ENE	40° 40'	89° 41'	652	f20	NA i5	5	f90 h40	f32 g4	f33 g4	f31 g4	f5 j5	NA	f - Not moved 10/24/79. g - Moved to new site 10/27/79. h - Moved to new site 11/7/79. i - Installed 3/10/80. j - Type change 10/17/84.

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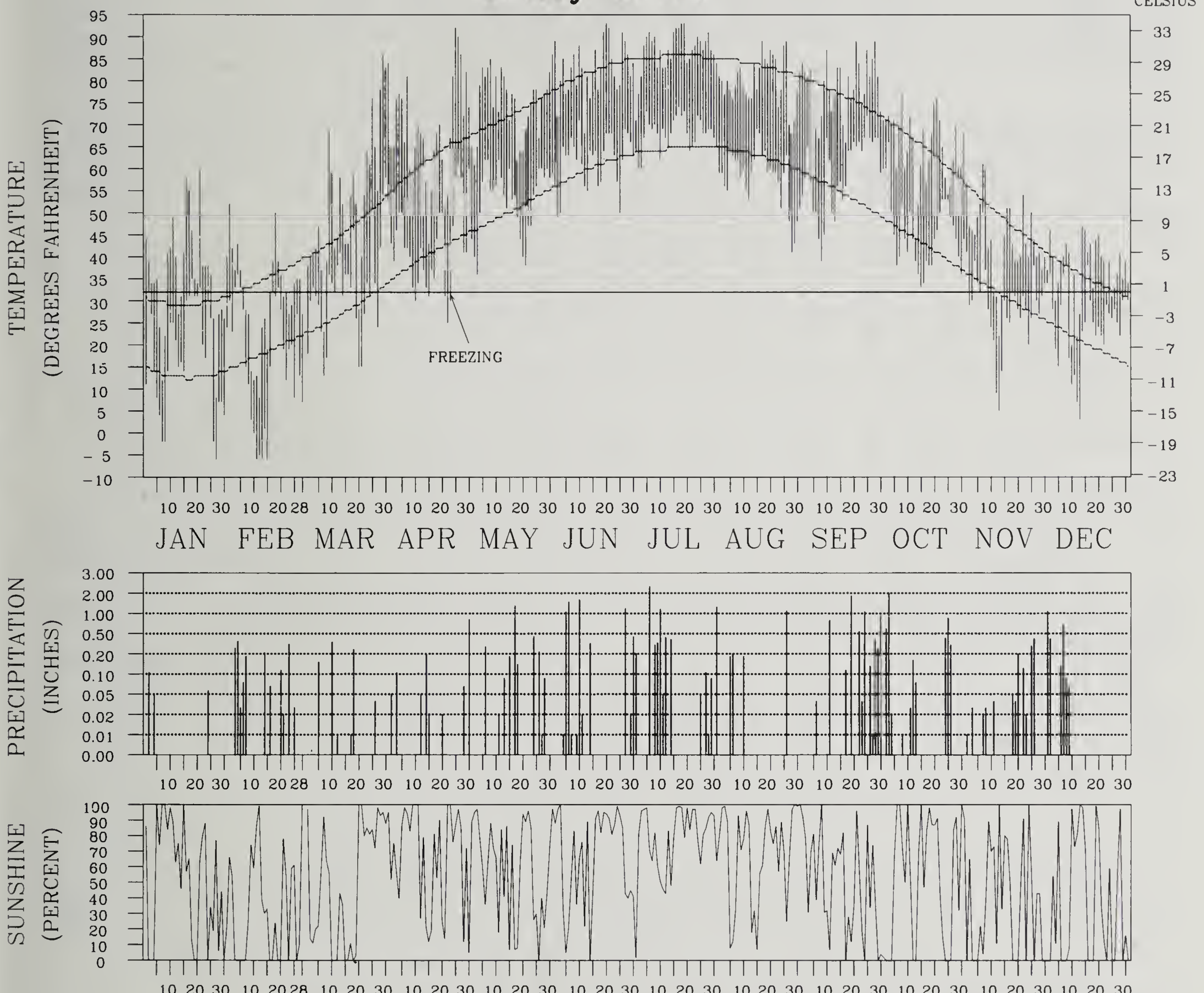
UNITED STATES OF AMERICA

1986 LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

PEORIA,
ILLINOIS

Daily Data



TEMPERATURE DEPICTS NORMAL MAXIMUM, NORMAL MINIMUM AND ACTUAL DAILY HIGH AND LOW VALUES (FAHRENHEIT)
PRECIPITATION IS MEASURED IN INCHES, SCALE IS NON-LINEAR
SUNSHINE IS PERCENT OF THE POSSIBLE SUNSHINE

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METEOROLOGICAL DATA FOR 1986

PEORIA, ILLINOIS

LATITUDE: 40°40′ N LONGITUDE: 89°41′ W ELEVATION: FT. GRND 652 BARO 683 TIME ZONE: CENTRAL WBAN: 14842

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:													
Averages													
-Daily Maximum	35.7	30.8	53.4	68.8	75.0	82.8	86.9	80.1	79.0	64.9	43.9	37.2	61.5
-Daily Minimum	17.4	16.2	32.9	42.0	52.9	61.8	67.9	57.7	58.8	45.4	28.5	24.6	42.2
-Monthly	26.6	23.5	43.2	55.4	64.0	72.3	77.4	68.9	68.9	55.2	36.2	30.9	51.9
-Monthly Dewpt.	18.3	20.7	31.8	39.9	53.7	63.8	69.9	59.1	60.0	47.7	30.2	26.1	43.4
Extremes													
-Highest	60	52	86	92	86	93	93	89	89	77	61	47	93
-Date	21	1	29	25	31	20	19	26	28	8	7	14	JUL 19
-Lowest	-6	-6	13	25	36	49	60	41	39	33	5	3	-6
-Date	27	15	7	22	3	2	3	28	8	15	13	13	FEB 15
DEGREE DAYS BASE 65 °F:													
Heating	1184	1156	683	314	92	7	0	25	37	305	858	1048	5710
Cooling	0	0	15	30	68	234	392	157	161	6	0	0	1063
% OF POSSIBLE SUNSHINE	51	34	52	64	59	66	77	69	49	53	36	37	56
AVG. SKY COVER (tenths)													
Sunrise - Sunset	6.9	8.2	6.9	6.0	6.8	6.5	5.2	5.9	7.7	6.0	7.6	7.5	6.8
Midnight - Midnight	6.2	7.5	6.9	5.5	6.5	6.1	5.0	5.3	6.7	5.6	7.2	7.1	6.3
NUMBER OF DAYS:													
Sunrise to Sunset													
-Clear	5	2	7	6	8	6	10	10	3	11	5	4	77
-Partly Cloudy	10	5	7	11	8	9	13	9	7	6	4	9	98
-Cloudy	16	21	17	13	15	15	8	12	20	14	21	18	190
Precipitation .01 inches or more	3	11	6	8	10	11	13	4	12	10	12	6	106
Snow, Ice pellets 1.0 inches or more	0	4	0	0	0	0	0	0	0	0	0	0	4
Thunderstorms	0	0	1	4	6	7	13	2	6	1	0	0	40
Heavy Fog, visibility 1/4 mile or less	2	8	0	0	3	2	1	1	2	0	4	8	31
Temperature °F													
-Maximum													
90° and above	0	0	0	2	0	4	10	0	0	0	0	0	16
32° and below	10	15	2	0	0	0	0	0	0	0	4	6	37
-Minimum													
32° and below	29	24	15	5	0	0	0	0	0	0	23	26	122
0° and below	4	5	0	0	0	0	0	0	0	0	0	0	9
AVG. STATION PRESS. (mb)	995.6	991.5	992.6	990.2	990.9	991.2	991.7	994.2	993.2	994.9	997.0	997.3	993.2
RELATIVE HUMIDITY (%)													
Hour 00 (Local Time)	76	89	75	66	82	87	90	83	86	88	86	89	83
Hour 06 (Local Time)	79	92	82	79	89	89	93	90	90	92	87	88	88
Hour 12 (Local Time)	62	80	57	47	59	66	66	57	65	66	71	76	64
Hour 18 (Local Time)	68	84	60	44	60	67	69	62	71	74	75	82	68
PRECIPITATION (inches):													
Water Equivalent													
-Total	0.22	1.79	0.87	1.39	2.95	6.53	7.00	1.74	6.39	4.64	1.32	2.60	37.44
-Greatest (24 hrs)	0.11	0.60	0.38	0.86	1.39	1.70	2.35	1.15	1.88	2.65	0.75	1.46	2.65
-Date	2	3- 4	10	30	17	9-10	6	26	19	2- 3	25-26	1- 2	OCT 2- 3
Snow, Ice pellets													
-Total	1.3	13.9	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	T	16.7
-Greatest (24 hrs)	0.6	4.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.7	T	4.5
-Date	24	23	5	15							11	29	FEB 23
WIND:													
Resultant													
-Direction (!!)	258	349	221	219	081	183	194	268	189	178	217	254	225
-Speed (mph)	4.3	2.7	4.1	2.5	1.1	1.0	3.2	0.8	2.8	1.3	1.5	2.7	1.6
Average Speed (mph)	11.6	9.0	12.1	11.4	8.7	8.1	8.0	6.9	8.0	8.1	9.9	9.0	9.2
Fastest Obs. 1 Min.													
-Direction (!!)	29	30	19	19	31	35	31	29	20	21	32	30	29
-Speed (mph)	35	20	31	30	25	26	31	21	32	18	24	29	35
-Date	12	14	25	28	1	30	12	26	29	28	12	3	JAN 12
Peak Gust													
-Direction (!!)	W	E	S	S	W	N	SW	SW	S	S	E	NW	N
-Speed (mph)	49	33	46	46	46	53	43	32	49	38	37	44	53
-Date	12	6	25	28	6	30	31	26	29	3	30	3	JUN 30

(!!) See Reference Notes on Page 6B

NORMALS, MEANS, AND EXTREMES

PEORIA, ILLINOIS

LATITUDE: 40°40'N LONGITUDE: 89°41' W ELEVATION: FT. GRND 652 BARO 683 TIME ZONE: CENTRAL WBAN: 14842

	(a)	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:														
Normals														
-Daily Maximum		29.7	35.2	46.5	61.9	72.5	82.1	85.5	83.4	76.7	64.8	48.5	35.4	60.2
-Daily Minimum		13.3	18.4	28.1	40.6	50.6	60.2	64.6	62.7	54.5	42.9	30.9	20.2	40.6
-Monthly		21.5	26.8	37.3	51.3	61.5	71.2	75.1	73.1	65.6	53.9	39.7	27.8	50.4
Extremes														
-Record Highest	47	68	72	86	92	92	100	103	102	100	90	81	71	103
-Year		1950	1976	1986	1986	1985	1971	1940	1983	1953	1963	1950	1982	JUL 1940
-Record Lowest	47	-25	-18	-10	14	25	39	47	41	26	19	-2	-18	-25
-Year		1977	1979	1960	1982	1966	1945	1972	1986	1942	1972	1977	1983	JAN 1977
NORMAL DEGREE DAYS:														
Heating (base 65°F)		1349	1070	859	411	176	22	0	5	64	361	756	1153	6226
Cooling (base 65°F)		0	0	0	0	71	208	314	256	82	17	0	0	948
% OF POSSIBLE SUNSHINE	43	47	50	51	55	59	66	68	67	64	61	44	41	56
MEAN SKY COVER (tenths)														
Sunrise - Sunset	43	6.8	6.7	7.0	6.8	6.4	6.1	5.4	5.5	5.2	5.3	6.8	7.0	6.3
MEAN NUMBER OF DAYS:														
Sunrise to Sunset														
-Clear	43	7.3	6.9	6.1	6.2	7.0	7.1	9.3	10.1	11.1	11.1	6.9	6.6	95.9
-Partly Cloudy	43	6.0	5.6	7.3	8.0	9.4	10.5	12.0	10.3	8.6	7.7	6.2	5.8	97.5
-Cloudy	43	17.7	15.8	17.6	15.7	14.6	12.4	9.7	10.6	10.3	12.1	16.9	18.6	171.9
Precipitation .01 inches or more	47	9.3	8.4	10.9	11.7	11.5	9.9	8.7	8.1	8.6	7.7	9.0	9.8	113.9
Snow,Ice pellets 1.0 inches or more	43	2.2	1.6	1.5	0.3	0.0	0.0	0.0	0.0	0.0	0.*	0.6	2.0	8.3
Thunderstorms	43	0.6	0.7	2.6	5.2	6.7	8.6	8.0	6.7	5.1	2.5	1.3	0.7	48.4
Heavy Fog Visibility 1/4 mile or less	43	3.0	2.9	2.3	0.9	1.0	0.6	1.0	1.5	1.3	1.6	2.2	3.5	21.7
Temperature °F														
-Maximum														
90° and above	27	0.0	0.0	0.0	0.1	0.4	4.2	7.4	4.6	1.9	0.*	0.0	0.0	18.6
32° and below	27	18.3	12.1	4.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.8	13.0	49.5
-Minimum														
32° and below	27	29.6	25.3	20.1	5.9	0.4	0.0	0.0	0.0	0.1	4.1	17.2	26.6	129.3
0° and below	27	7.0	3.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.9	13.6
AVG. STATION PRESS.(mb)	14	995.5	994.5	991.3	990.8	990.1	990.8	992.3	993.4	993.9	994.4	994.0	994.8	993.0
RELATIVE HUMIDITY (%)														
Hour 00 (Local Time)	27	77	78	76	71	75	77	82	83	82	78	79	81	78
Hour 06 (Local Time)	27	78	80	81	78	81	82	86	88	88	85	83	83	83
Hour 12 (Local Time)	27	68	67	63	56	57	57	59	60	59	58	66	72	62
Hour 18 (Local Time)	27	71	71	65	56	56	57	60	64	64	63	71	76	65
PRECIPITATION (inches):														
Water Equivalent														
-Normal		1.60	1.41	2.86	3.81	3.84	3.88	3.99	3.39	3.63	2.51	1.96	2.01	34.89
-Maximum Monthly	47	8.11	5.18	6.95	8.66	7.96	11.69	8.42	8.61	13.09	10.80	7.62	6.34	13.09
-Year		1965	1942	1973	1947	1957	1974	1958	1965	1961	1941	1985	1949	SEP 1961
-Minimum Monthly	47	0.22	0.33	0.39	0.71	1.04	0.98	0.57	0.78	0.03	0.03	0.43	0.33	0.03
-Year		1986	1947	1958	1971	1964	1971	1945	1984	1979	1964	1953	1962	SEP 1979
-Maximum in 24 hrs	43	4.45	1.92	3.39	5.06	3.62	4.44	3.56	4.32	4.15	3.70	2.45	3.38	5.06
-Year		1965	1954	1944	1950	1956	1974	1953	1955	1961	1969	1946	1949	APR 1950
Snow,Ice pellets														
-Maximum Monthly	43	24.7	13.9	16.9	13.4	0.1					1.8	9.1	21.7	24.7
-Year		1979	1986	1960	1982	1966					1967	1974	1977	JAN 1979
-Maximum in 24 hrs	43	12.2	7.6	9.0	6.1	0.1					1.8	7.2	10.2	12.2
-Year		1979	1944	1946	1982	1966					1967	1951	1973	JAN 1979
WIND:														
Mean Speed (mph)	43	11.2	11.2	12.2	12.1	10.1	9.0	7.9	7.7	8.5	9.4	11.0	10.9	10.1
Prevailing Direction through 1963		S	WNW	WNW	S	S	S	S	S	S	S	S	S	S
Fastest Mile														
-Direction (!!)	41	S	W	W	SW	SW	NW	NW	W	W	SW	W	SW	NW
-Speed (MPH)	41	54	52	56	66	61	66	75	65	73	60	56	58	75
-Year		1950	1953	1959	1947	1950	1981	1953	1956	1965	1958	1964	1948	JUL 1953
Peak Gust														
-Direction (!!)	3	NW	SE	NW	SW	W	N	W	S	S	W	W	W	SW
-Speed (mph)	3	53	46	49	59	47	53	48	38	49	48	51	48	59
-Date		1985	1984	1985	1984	1984	1986	1984	1985	1986	1985	1985	1985	APR 1984

(!!) See Reference Notes on Page 6B.

PRECIPITATION (inches)

PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1957	1.70	0.83	2.63	5.61	7.96	3.04	2.00	1.57	1.21	4.34	2.55	3.55	36.99
1958	1.30	0.57	0.39	2.65	3.32	4.86	8.42	3.35	3.15	0.93	2.02	0.49	31.45
1959	1.71	1.84	3.46	2.50	5.09	1.03	2.83	2.25	3.51	3.56	0.96	1.89	30.63
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
1975	2.59	2.85	1.73	3.92	5.19	3.90	4.26	5.62	2.74	3.63	2.75	2.04	41.22
1976	0.78	2.56	4.25	4.86	5.11	2.92	2.98	2.30	1.78	2.48	0.83	0.38	31.23
1977	1.22	0.95	4.41	1.24	3.54	2.06	3.43	7.28	6.26	4.00	1.77	2.25	38.41
1978	0.69	0.59	1.56	4.69	7.72	1.96	3.47	1.28	2.32	1.73	2.54	3.54	32.09
1979	2.48	1.37	4.42	4.48	1.96	1.77	4.81	0.87	0.03	1.70	2.76	2.33	28.98
1980	0.59	1.06	2.79	2.78	2.05	8.94	1.43	6.16	4.09	2.44	0.67	2.25	35.25
1981	0.48	2.41	0.92	5.71	5.77	6.22	7.08	5.61	1.31	1.37	1.64	1.24	39.76
1982	2.88	1.13	4.80	5.40	3.15	3.15	7.53	3.97	1.24	1.47	4.95	5.45	45.12
1983	0.53	1.01	2.84	7.06	6.66	4.48	1.99	1.09	5.08	3.01	5.58	2.65	41.98
1984	0.59	2.28	3.95	5.18	4.84	2.90	5.02	0.78	2.38	5.07	3.95	3.82	40.76
1985	0.99	2.62	5.77	1.14	3.14	5.11	3.43	3.70	3.43	4.61	7.62	2.24	43.80
1986	0.22	1.79	0.87	1.39	2.95	6.53	7.00	1.74	6.39	4.64	1.32	2.60	37.44
Record Mean	1.75	1.78	2.82	3.56	3.95	3.92	3.83	3.07	3.70	2.50	2.34	2.06	35.27

See Reference Notes on Page 6B.

AVERAGE TEMPERATURE (deg. F)

PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1957	18.6	34.5	38.3	51.1	61.1	71.7	77.6	75.2	64.8	51.6	39.5	34.1	51.5
1958	25.0	19.5	36.8	52.2	62.7	66.4	72.8	73.9	65.8	56.5	43.1	23.0	49.8
#1959	18.5	27.0	38.9	51.0	66.1	73.6	75.0	77.8	68.1	51.3	32.9	34.7	51.3
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	66.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
1975	27.5	26.1	33.8	47.0	64.6	72.1	73.8	74.7	60.9	55.3	44.9	30.2	50.9
1976	19.5	34.9	43.9	54.1	58.2	70.5	75.3	70.3	63.3	47.3	32.0	21.0	49.2
1977	8.6	27.0	44.6	57.1	68.6	70.2	78.2	71.4	66.4	51.3	40.3	22.8	50.5
1978	13.3	15.4	32.4	51.2	60.3	71.3	75.0	73.2	70.5	52.1	41.3	26.8	48.6
1979	9.4	14.7	37.9	47.7	60.5	71.2	73.0	72.5	65.6	52.6	38.0	31.8	47.9
1980	23.6	19.9	35.6	49.2	63.0	69.3	78.5	76.9	67.9	49.6	40.7	28.9	50.2
1981	23.7	27.8	40.7	55.4	58.7	73.2	75.4	72.8	65.9	53.4	45.0	27.3	51.6
1982	15.8	24.8	37.7	46.5	68.4	67.2	75.7	71.3	64.9	55.0	41.5	37.4	50.5
1983	28.2	33.5	40.3	46.8	58.6	72.6	80.2	80.8	67.9	55.3	44.9	15.2	52.0
1984	20.6	35.5	31.3	49.6	58.8	74.3	73.0	74.9	64.0	57.6	40.3	33.9	51.2
1985	16.8	23.2	43.8	57.0	64.3	68.7	73.7	70.2	66.6	55.5	39.0	18.6	49.8
1986	26.6	23.5	43.2	55.4	64.0	72.3	77.4	68.9	68.9	55.2	36.2	30.9	51.9
Record Mean	23.6	27.6	38.5	51.0	61.6	71.3	75.6	73.7	66.3	54.5	40.3	28.3	51.0
Max	31.8	35.9	47.8	61.4	72.5	82.1	86.4	84.4	77.3	65.4	49.1	35.9	60.8
Min	15.5	19.3	29.3	40.6	50.7	60.5	64.7	62.9	55.2	43.6	31.5	20.7	41.2

See Reference Notes on Page 6B.

HEATING DEGREE DAYS Base 65 deg. F

PEORIA, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1957-58	0	0	70	408	758	949	1233	1271	868	381	114	35	6087
1958-59	1	11	72	274	652	1296	1435	1057	800	418	103	5	6124
#1959-60	1	0	66	421	954	930	1171	1183	1308	374	233	18	6659
1960-61	2	0	53	342	724	1278	1351	922	750	612	277	29	6340
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6569
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974-75	0	1	157	354	756	1081	1156	1085	959	534	92	17	6192
1975-76	13	1	171	306	596	1069	1404	868	648	351	221	5	5653
1976-77	0	9	106	556	981	1357	1747	1061	623	273	60	17	6790
1977-78	0	6	39	418	734	1301	1595	1383	1006	405	222	14	7123
1978-79	0	4	49	390	704	1174	1722	1403	833	510	194	10	6993
1979-80	3	19	70	401	804	1022	1279	1300	907	474	123	26	6428
1980-81	0	0	65	470	722	1112	1273	1037	748	295	221	1	5944
1981-82	1	0	60	360	594	1163	1520	1119	839	548	29	28	6261
1982-83	0	13	94	325	697	849	1133	875	758	537	206	17	5504
1983-84	2	0	92	311	595	1541	1371	849	1038	467	206	1	6473
1984-85	1	1	153	246	734	956	1489	1164	656	284	71	38	5793
1985-86	0	6	111	287	774	1432	1184	1156	683	314	92	7	6046
1986-87	0	26	37	305	858	1048							

See Reference Notes on Page 6B.

COOLING DEGREE DAYS Base 65 deg. F

PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817
1975	0	0	0	0	83	237	292	307	55	14	0	0	988
1976	0	0	0	28	14	176	326	180	62	14	0	0	800
1977	0	0	0	42	176	179	416	209	88	0	0	0	1110
1978	0	0	0	0	81	208	316	267	221	0	0	0	1093
1979	0	0	0	0	62	206	259	258	95	23	0	0	903
1980	0	0	0	6	70	160	425	378	156	1	0	0	1196
1981	0	0	0	13	33	250	331	250	93	6	1	0	977
1982	0	0	0	0	141	101	338	215	96	26	0	0	917
1983	0	0	0	0	14	250	479	494	188	17	0	0	1442
1984	0	0	0	12	24	285	256	315	129	22	0	0	1043
1985	0	0	3	48	54	155	279	173	164	0	0	0	876
1986	0	0	15	30	68	234	392	157	161	6	0	0	1063

See Reference Notes on Page 6B.

SNOWFALL (inches)

PEORIA, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1957-58	0.0	0.0	0.0	T	0.4	5.4	11.0	1.5	0.4	T	0.0	0.0	18.7
1958-59	0.0	0.0	0.0	0.0	1.0	5.0	11.6	2.6	4.2	T	0.0	0.0	24.4
1959-60	0.0	0.0	0.0	0.0	7.0	2.4	3.3	12.0	16.9	T	T	0.0	41.6
1960-61	0.0	0.0	0.0	0.0	0.3	4.6	3.5	5.3	0.7	1.2	0.0	0.0	15.6
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2	8.8	12.8	3.8	1.6	0.0	0.0	42.3
1975-76	0.0	0.0	0.0	0.0	8.1	1.4	8.6	2.5	2.0	0.0	0.0	0.0	22.6
1976-77	0.0	0.0	0.0	T	0.4	4.1	16.3	4.1	2.4	1.4	0.0	0.0	28.7
1977-78	0.0	0.0	0.0	0.0	6.4	21.7	7.0	7.0	5.0	0.0	0.0	0.0	47.1
1978-79	0.0	0.0	0.0	0.0	2.6	14.2	24.7	3.6	6.5	T	0.0	0.0	51.6
1979-80	0.0	0.0	0.0	0.0	0.8	0.1	3.7	11.3	5.3	6.3	0.0	0.0	27.5
1980-81	0.0	0.0	0.0	T	4.1	3.3	5.9	10.5	T	0.0	0.0	0.0	23.8
1981-82	0.0	0.0	0.0	0.0	0.1	9.8	11.0	6.1	6.5	13.4	0.0	0.0	46.9
1982-83	0.0	0.0	0.0	0.0	0.9	2.0	5.6	4.8	5.7	0.1	0.0	0.0	19.1
1983-84	0.0	0.0	0.0	0.0	3.3	15.9	6.9	4.1	6.0	0.0	0.0	0.0	36.2
1984-85	0.0	0.0	0.0	0.0	T	0.9	9.8	6.2	T	T	0.0	0.0	16.9
1985-86	0.0	0.0	0.0	0.0	1.0	6.2	1.3	13.9	0.4	0.1	0.0	0.0	22.9
1986-87	0.0	0.0	0.0	0.0	1.0	T							
Record Mean	0.0	0.0	0.0	T	2.2	5.9	6.5	5.2	4.4	1.0	T	0.0	25.3

See Reference Notes on Page 6B.

REFERENCE NOTES

PEORIA, ILLINOIS

GENERAL
T - TRACE AMOUNT.
BLANK ENTRIES DENOTE MISSING/UNREPORTED DATA.
# INDICATES A STATION OR INSTRUMENT RELOCATION.
SEE STATION LOCATION TABLE ON PAGE 8.

SPECIFIC
PAGE 2
PM - INCLUDES LAST DAY OF PREVIOUS MONTH

PAGE 3
(a) - LENGTH OF RECORD IN YEARS, ALTHOUGH
INDIVIDUAL MONTHS MAY BE MISSING.
* LESS THAN .05
NORMALS - BASED ON THE 1951-1980 RECORD PERIOD.
EXTREMES - DATES ARE THE MOST RECENT OCCURRENCE
WIND DIR.- NUMERALS SHOW TENS OF DEGRESS CLOCKWISE
FROM TRUE NORTH. "00" INDICATES CALM.
RESULTANT DIRECTIONS ARE GIVEN TO WHOLE DEGREES.

EXCEPTIONS

PAGES 4A, 4B, 6A
RECORD MEANS ARE THROUGH THE CURRENT YEAR,
BEGINNING IN 1905 FOR TEMPERATURE
1856 FOR PRECIPITATION
1944 FOR SNOWFALL

PEORIA,
ILLINOIS

The airport station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good. The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

June and September are usually the most pleasant months of the year. Then during October or the first of November, Indian Summer is often experienced with an extended period of warm, dry weather.

Precipitation is normally heaviest during the growing season and lowest during midwinter.

The earliest snowfalls have occurred in September and the latest in the spring have occurred as late as May. Heavy snowfalls have rarely exceeded 20 inches.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 20 and the average last occurrence in the spring is April 24.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above Sea level: Ground at temperature site	Elevation above Ground: Wind instruments	Extreme thermometers	Psychrometer	Sunshine Switch	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Automatic Observing Equipment *	Remarks
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40 41'	89 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40° 41'	89 36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40° 41'	89 36'	460										
Corner of Pecan & Meyer	1869	1872	9 blks. WSW	40 41'	89 36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40 41'	89 36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40 41'	89 36'	495										
701 Fourth Street	1889	1905	9 blks. NW	40 42'	89 36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2 01 05	8 15 44	1 mi. NW	40 43'	89 36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Bldg. Municipal Airport 5 miles WSW of P. O.	3/01 35	5 04 43		40 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Bldg. Municipal Airport	5 04 43	10 01 59	Not moved	40 40'	89° 41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg. Greater Peoria Airport	10 01 59	10/24/79	2300 Ft WNW	40 40'	89 41'	652	20	6 e	6 d31	90	4 d32	4 d33	4 d31	5	NA	d - Moved to roof 12/22/76. e - Removed 12/22/76.
Business Aviation Bldg. Greater Peoria Airport	10/24/79	Present	800' ENE	40° 40'	89° 41'	652	f20	NA i5	5	f90 h40	f32 g4	f33 g4	f31 g4	f5 j5	NA	f - Not moved 10/24/79. g - Moved to new site 10/27/79. h - Moved to new site 11/7/79. i - Installed 3/10/80. j - Type change 10/17/84.

* Type
M = AMOS
T = AUTOB

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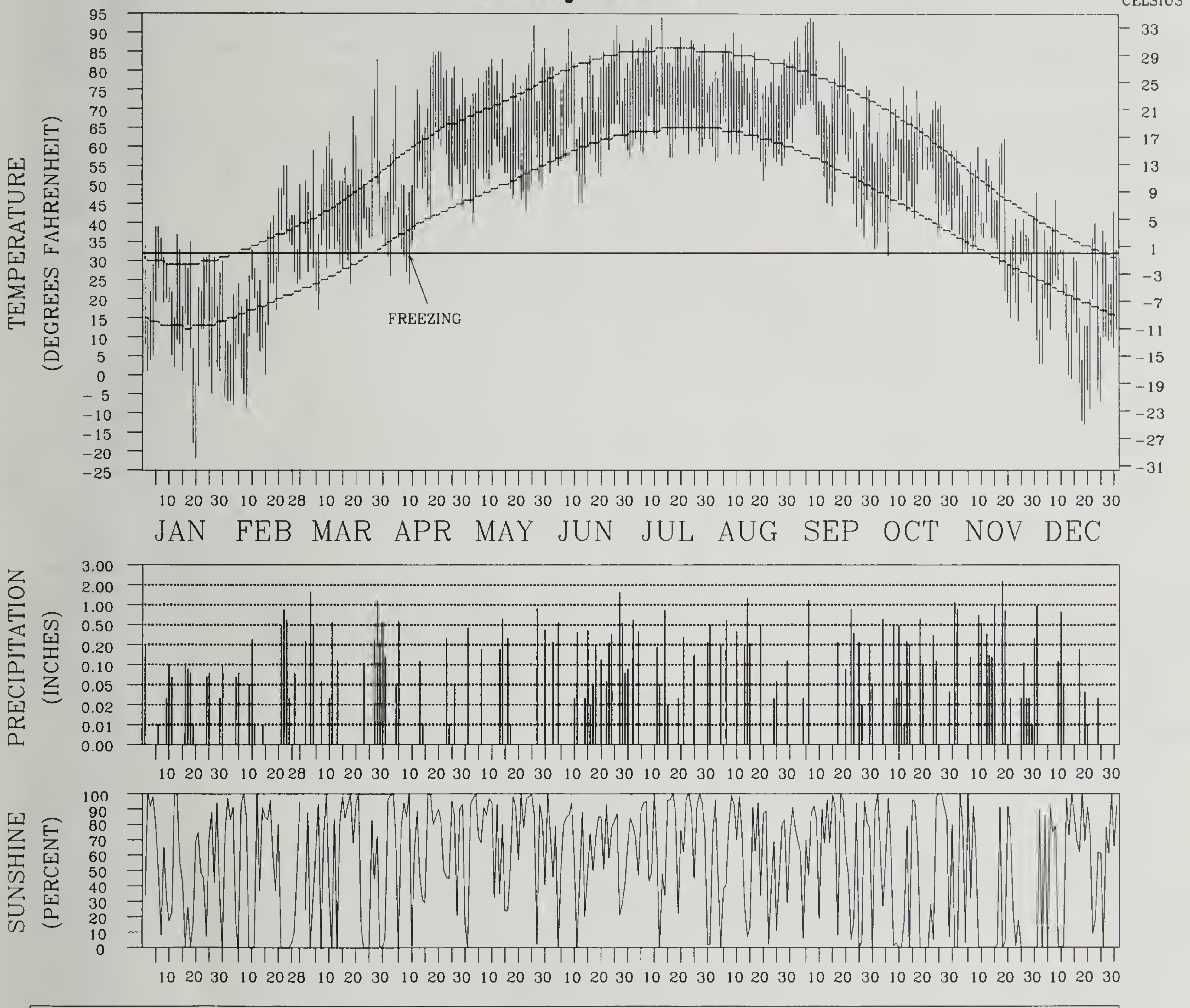
1985 LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

PEORIA,
ILLINOIS

DEPARTMENT OF COMMERCE
UNITED STATES OF AMERICA

Daily Data



TEMPERATURE DEPICTS NORMAL MAXIMUM, NORMAL MINIMUM AND ACTUAL DAILY HIGH AND LOW VALUES (FAHRENHEIT)
PRECIPITATION IS MEASURED IN INCHES, SCALE IS NON-LINEAR
SUNSHINE IS PERCENT OF THE POSSIBLE SUNSHINE

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, NORTH CAROLINA, 28801

Kenneth D Hadeen
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

noaa

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METEOROLOGICAL DATA FOR 1985

PEORIA, ILLINOIS

LATITUDE: 40°40' N LONGITUDE: 89°41' W ELEVATION: FT. GRND 652 BARO 00683 TIME ZONE: CENTRAL WBAN: 14842

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:													
Averages													
-Daily Maximum	25.8	31.2	53.5	67.9	76.3	78.7	84.2	79.7	76.6	65.0	46.3	28.0	59.4
-Daily Minimum	7.8	15.2	34.1	46.0	52.2	58.6	63.2	60.6	56.5	46.0	31.6	9.1	40.1
-Monthly	16.8	23.2	43.8	57.0	64.3	68.7	73.7	70.2	66.6	55.5	39.0	18.6	49.8
-Monthly Dewpt.	10.6	17.8	33.5	43.1	51.2	56.5	63.7	62.6	56.9	45.6	34.7	12.8	40.8
Extremes													
-Highest	39	55	83	85	92	92	94	90	94	76	62	48	94
-Date	6	23	28	21	26	26	13	9	7	12	19	1	SEP 7
-Lowest	-22	-9	17	24	40	45	57	51	36	31	14	-13	-22
-Date	20	8	6	9	3	13	17	20	27	6	24	19	JAN 20
DEGREE DAYS BASE 65 °F:													
Heating	1489	1164	656	284	71	38	0	6	111	287	774	1432	6312
Cooling	0	0	3	48	54	155	279	173	164	0	0	0	876
% OF POSSIBLE SUNSHINE	51	49	49	69	73	61	69	59	61	47	26	58	57
AVG. SKY COVER (tenths)													
Sunrise - Sunset	7.2	6.3	7.2	5.8	6.4	7.1	6.1	6.5	6.3	7.2	8.2	5.7	6.7
Midnight - Midnight	6.4	6.1	6.4	5.4	5.9	6.7	5.7	6.0	5.8	6.8	8.2	5.7	6.3
NUMBER OF DAYS:													
Sunrise to Sunset													
-Clear	5	8	5	9	8	2	9	5	7	7	5	10	80
-Partly Cloudy	6	6	7	10	7	13	9	15	11	5	1	9	99
-Cloudy	20	14	19	11	16	15	13	11	12	19	24	12	186
Precipitation .01 inches or more	13	11	13	7	8	17	11	10	10	14	17	8	139
Snow, Ice pellets 1.0 inches or more	4	2	0	0	0	0	0	0	0	0	0	2	8
Thunderstorms	0	0	3	2	5	9	7	7	3	4	6	0	46
Heavy Fog, visibility 1/4 mile or less	0	4	1	1	0	1	3	8	1	0	7	1	27
Temperature °F													
-Maximum													
90° and above	0	0	0	0	1	2	2	1	4	0	0	0	10
32° and below	24	14	1	0	0	0	0	0	0	0	3	17	59
-Minimum													
32° and below	31	23	11	5	0	0	0	0	0	1	15	31	117
0° and below	5	7	0	0	0	0	0	0	0	0	0	9	21
AVG. STATION PRESS. (mb)	994.9	997.3	992.6	990.5	988.5	990.2	991.5	993.6	994.8	994.2	993.9	995.4	993.2
RELATIVE HUMIDITY (%)													
Hour 00 (Local Time)	78	83	75	72	73	78	85	89	84	79	88	82	81
Hour 06 (Local Time)	83	83	85	79	81	82	85	92	90	88	89	84	85
Hour 12 (Local Time)	73	72	61	51	54	56	59	66	63	62	79	69	64
Hour 18 (Local Time)	74	75	64	51	50	59	61	68	66	67	84	76	66
PRECIPITATION (inches):													
Water Equivalent													
-Total	0.99	2.62	5.77	1.14	3.14	5.11	3.43	3.70	3.43	4.61	7.62	2.24	43.80
-Greatest (24 hrs)	1.16	1.32	2.17	0.60	0.92	2.19	0.89	1.44	1.26	1.15	2.20	1.27	2.20
-Date	PM- 1	22-23	3- 4	5	27	27-28	14-15	14-15	6	31	18	PM- 1	NOV 18
Snow, Ice pellets													
-Total	9.8	6.2	T	T	0.0	0.0	0.0	0.0	0.0	0.0	1.0	6.2	23.2
-Greatest (24 hrs)	2.0	3.1	T	T	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.1	3.1
-Date	9-10	10-11	31	7							27-28	17	DEC 17
WIND:													
Resultant													
-Direction (!!)	289	252	229	221	213	275	210	141	174	138	018	271	242
-Speed (mph)	7.0	3.2	1.7	3.5	2.1	1.0	1.2	1.5	3.7	2.2	2.2	6.0	1.7
Average Speed (mph)	12.8	10.3	12.4	10.5	9.1	8.7	7.0	7.0	9.0	9.3	10.3	11.7	9.8
Fastest Obs. 1 Min.													
-Direction (!!)	30	31	31	18	28	32	27	29	28	27	27	30	30
-Speed (mph)	37	26	37	28	26	31	29	29	21	31	29	39	39
-Date	25	12	11	22	30	23	4	14	23	4	19	27	DEC 27
Peak Gust													
-Direction (!!)	NW	N	NW	NW	W	NW	W	S	SW	W	W	W	NW
-Speed (mph)	53	37	49	41	40	41	44	38	37	48	51	48	53
-Date	25	11	11	7	31	23	14	6	23	4	19	1	JAN 25

(!!) See Reference Notes on Page 6B

NORMALS, MEANS, AND EXTREMES

PEORIA, ILLINOIS

LATITUDE: 40°40'N LONGITUDE: 89°41' W ELEVATION: FT. GRND 652 BARO 00683 TIME ZONE: CENTRAL WBAN: 14842

	(a)	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:														
Normals														
-Daily Maximum		29.7	35.2	46.5	61.9	72.5	82.1	85.5	83.4	76.7	64.8	48.5	35.4	60.2
-Daily Minimum		13.3	18.4	28.1	40.6	50.6	60.2	64.6	62.7	54.5	42.9	30.9	20.2	40.6
-Monthly		21.5	26.8	37.3	51.3	61.5	71.2	75.1	73.1	65.6	53.9	39.7	27.8	50.4
Extremes														
-Record Highest	46	68	72	83	89	92	100	103	102	100	90	81	71	103
-Year		1950	1976	1985	1952	1985	1971	1940	1983	1953	1963	1950	1982	JUL 1940
-Record Lowest	46	-25	-18	-10	14	25	39	47	43	26	19	-2	-18	-25
-Year		1977	1979	1960	1982	1966	1945	1972	1950	1942	1972	1977	1983	JAN 1977
NORMAL DEGREE DAYS:														
Heating (base 65°F)		1349	1070	859	411	176	22	0	5	64	361	756	1153	6226
Cooling (base 65°F)		0	0	0	0	71	208	314	256	82	17	0	0	948
% OF POSSIBLE SUNSHINE	42	46	50	51	54	59	66	68	67	65	61	44	41	56
MEAN SKY COVER (tenths)														
Sunrise - Sunset	42	6.8	6.7	7.0	6.8	6.4	6.1	5.4	5.5	5.1	5.3	6.7	7.0	6.2
MEAN NUMBER OF DAYS:														
Sunrise to Sunset														
-Clear	42	7.4	7.0	6.1	6.2	7.0	7.1	9.3	10.1	11.3	11.1	7.0	6.6	96.3
-Partly Cloudy	42	5.9	5.6	7.3	8.0	9.5	10.5	12.0	10.4	8.6	7.8	6.2	5.7	97.5
-Cloudy	42	17.8	15.6	17.6	15.8	14.5	12.3	9.7	10.5	10.1	12.1	16.8	18.6	171.5
Precipitation														
.01 inches or more	46	9.4	8.4	11.0	11.8	11.6	9.8	8.7	8.2	8.5	7.7	9.0	9.9	114.0
Snow,Ice pellets														
1.0 inches or more	42	2.3	1.6	1.5	0.4	0.0	0.0	0.0	0.0	0.0	0.*	0.6	2.0	8.4
Thunderstorms	42	0.6	0.7	2.6	5.2	6.7	8.6	7.9	6.8	5.1	2.5	1.3	0.7	48.6
Heavy Fog Visibility 1/4 mile or less	42	3.0	2.8	2.4	1.0	0.9	0.6	1.0	1.5	1.3	1.6	2.2	3.4	21.5
Temperature °F														
-Maximum														
90° and above	26	0.0	0.0	0.0	0.0	0.4	4.2	7.3	4.8	1.9	0.*	0.0	0.0	18.7
32° and below	26	18.7	12.0	4.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.7	13.3	50.0
-Minimum														
32° and below	26	29.6	25.3	20.3	5.9	0.5	0.0	0.0	0.0	0.1	4.2	17.0	26.7	129.6
0° and below	26	7.2	3.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.0	13.8
AVG. STATION PRESS.(mb)	13	995.5	994.7	991.2	990.9	990.0	990.8	992.3	993.3	994.0	994.3	993.8	994.6	992.9
RELATIVE HUMIDITY (%)														
Hour 00	26	77	78	76	72	75	76	81	83	82	78	79	81	78
Hour 06 (Local Time)	26	78	79	81	78	81	81	86	88	88	85	83	82	83
Hour 12	26	68	67	63	56	57	56	59	61	59	58	66	72	62
Hour 18	26	72	70	65	56	56	56	60	64	64	63	71	76	64
PRECIPITATION (inches):														
Water Equivalent														
-Normal		1.60	1.41	2.86	3.81	3.84	3.88	3.99	3.39	3.63	2.51	1.96	2.01	34.89
-Maximum Monthly	46	8.11	5.18	6.95	8.66	7.96	11.69	8.42	8.61	13.09	10.80	7.62	6.34	13.09
-Year		1965	1942	1973	1947	1957	1974	1958	1965	1961	1941	1985	1949	SEP 1961
-Minimum Monthly	46	0.25	0.33	0.39	0.71	1.04	0.98	0.57	0.78	0.03	0.03	0.43	0.33	0.03
-Year		1956	1947	195[illegible]	1971	1964	1971	1945	1984	1979	1964	1953	1962	SEP 1979
-Maximum in 24 hrs	42	4.45	1.92	3.39	5.06	3.62	4.44	3.56	4.32	4.15	3.70	2.45	3.38	5.06
-Year		1965	1954	1944	1950	1956	1974	1953	1955	1961	1969	1946	1949	APR 1950
Snow,Ice pellets														
-Maximum Monthly	42	24.7	12.8	16.9	13.4	0.1					1.8	9.1	21.7	24.7
-Year		1979	1975	1960	1982	1966					1967	1974	1977	JAN 1979
-Maximum in 24 hrs	42	12.2	7.6	9.0	6.1	0.1					1.8	7.2	10.2	12.2
-Year		1979	1944	1946	1982	1966					1967	1951	1973	JAN 1979
WIND:														
Mean Speed (mph)	42	11.2	11.3	12.2	12.1	10.2	9.1	7.9	7.7	8.6	9.5	11.0	10.9	10.1
Prevailing Direction through 1963		S	WNW	WNW	S	S	S	S	S	S	S	S	S	S
Fastest Mile														
-Direction (!!)	41	S	W	W	SW	SW	NW	NW	W	W	SW	W	SW	NW
-Speed (MPH)	41	54	52	56	66	61	66	75	65	73	60	56	58	75
-Year		1950	1953	1959	1947	1950	1981	1953	1956	1965	1958	1964	1948	JUL 1953
Peak Gust														
-Direction (!!)	2	NW	SE	NW	SW	W	W	W	S	S	W	W	W	SW
-Speed (mph)	2	53	46	49	59	47	44	48	38	39	48	51	48	59
-Date		1985	1984	1985	1984	1984	1984	1984	1985	1984	1985	1985	1985	APR 1984

(!!) See Reference Notes on Page 6B.

PRECIPITATION (inches)

PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1956	0.25	1.11	0.54	3.12	5.20	0.98	4.67	4.47	0.41	0.67	2.30	1.90	25.62
1957	1.70	0.83	2.63	5.61	7.96	3.04	2.00	1.57	1.21	4.34	2.55	3.55	36.99
1958	1.30	0.57	0.39	2.65	3.32	4.86	8.42	3.35	3.15	0.93	2.02	0.49	31.45
1959	1.71	1.84	3.46	2.50	5.09	1.03	2.83	2.25	3.51	3.56	0.96	1.89	30.63
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
1975	2.59	2.85	1.73	3.92	5.19	3.90	4.26	5.62	2.74	3.63	2.75	2.04	41.22
1976	0.78	2.56	4.25	4.86	5.11	2.92	2.98	2.30	1.78	2.48	0.83	0.38	31.23
1977	1.22	0.95	4.41	1.24	3.54	2.06	3.43	7.28	6.26	4.00	1.77	2.25	38.41
1978	0.69	0.59	1.56	4.69	7.72	1.96	3.47	1.28	2.32	1.73	2.54	3.54	32.09
1979	2.48	1.37	4.42	4.48	1.96	1.77	4.81	0.87	0.03	1.70	2.76	2.33	28.98
1980	0.59	1.06	2.79	2.78	2.05	8.94	1.43	6.16	4.09	2.44	0.67	2.25	35.25
1981	0.48	2.41	0.92	5.71	5.77	6.22	7.08	5.61	1.31	1.37	1.64	1.24	39.76
1982	2.88	1.13	4.80	5.40	3.15	3.15	7.53	3.97	1.24	1.47	4.95	5.45	45.12
1983	0.53	1.01	2.84	7.06	6.66	4.48	1.99	1.09	5.08	3.01	5.58	2.65	41.98
1984	0.59	2.28	3.95	5.18	4.84	2.90	5.02	0.78	2.38	5.07	3.95	3.82	40.76
1985	0.99	2.62	5.77	1.14	3.14	5.11	3.43	3.70	3.43	4.61	7.62	2.24	43.80
Record Mean	1.76	1.78	2.83	3.58	3.95	3.90	3.80	3.08	3.68	2.48	2.35	2.05	35.25

See Reference Notes on Page 6B.

AVERAGE TEMPERATURE (deg. F)

PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1956	25.9	29.8	38.9	48.8	64.3	74.1	73.7	74.1	65.5	61.6	39.9	31.8	52.4
1957	18.6	34.5	38.3	51.1	61.1	71.7	77.6	75.2	64.8	51.6	39.5	34.1	51.5
1958	25.0	19.5	36.8	52.2	62.7	66.4	72.8	73.9	65.8	56.5	43.1	23.0	49.8
#1959	18.5	27.0	38.9	51.0	66.1	73.6	75.0	77.8	68.1	51.3	32.9	34.7	51.3
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	66.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
1975	27.5	26.1	33.8	47.0	64.6	72.1	73.8	74.7	60.9	55.3	44.9	30.2	50.9
1976	19.5	34.9	43.9	54.1	58.2	70.5	75.3	70.3	63.3	47.3	32.0	21.0	49.2
1977	8.6	27.0	44.6	57.1	68.6	70.2	78.2	71.4	66.4	51.3	40.3	22.8	50.5
1978	13.3	15.4	32.4	51.2	60.3	71.3	75.0	73.2	70.5	52.1	41.3	26.8	48.6
1979	9.4	14.7	37.9	47.7	60.5	71.2	73.0	72.5	65.6	52.6	38.0	31.8	47.9
1980	23.6	19.9	35.6	49.2	63.0	69.3	78.5	76.9	67.9	49.6	40.7	28.9	50.2
1981	23.7	27.8	40.7	55.4	58.7	73.2	75.4	72.8	65.9	53.4	45.0	27.3	51.6
1982	15.8	24.8	37.7	46.5	68.4	67.2	75.7	71.3	64.9	55.0	41.5	37.4	50.5
1983	28.2	33.5	40.3	46.8	58.6	72.6	80.2	80.8	67.9	55.3	44.9	15.2	52.0
1984	20.6	35.5	31.3	49.6	58.8	74.3	73.0	74.9	64.0	57.6	40.3	33.9	51.2
1985	16.8	23.2	43.8	57.0	64.3	68.7	73.7	70.2	66.6	55.5	39.0	18.6	49.8
Record Mean	23.6	27.6	38.5	51.0	61.6	71.3	75.6	73.7	66.2	54.5	40.3	28.3	51.0
Max	31.7	35.9	47.8	61.3	72.5	82.1	86.4	84.4	77.3	65.4	49.1	35.9	60.8
Min	15.5	19.3	29.2	40.6	50.7	60.4	64.7	63.0	55.1	43.6	31.6	20.7	41.2

See Reference Notes on Page 6B.

HEATING DEGREE DAYS Base 65 deg. F

PEORIA, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1956-57	0	6	74	129	747	1026	1434	847	824	431	158	9	5685
1957-58	0	0	70	408	758	949	1233	1271	868	381	114	35	6087
1958-59	1	11	72	274	652	1296	1435	1057	800	418	103	5	6124
#1959-60	1	0	66	421	954	930	1171	1183	1308	374	233	18	6659
1960-61	2	0	53	342	724	1278	1351	922	750	612	277	29	6340
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6569
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974-75	0	1	157	354	756	1081	1156	1085	959	534	92	17	6192
1975-76	13	1	171	306	596	1069	1404	868	648	351	221	5	5653
1976-77	0	9	106	556	981	1357	1747	1061	623	273	60	17	6790
1977-78	0	6	39	418	734	1301	1595	1383	1006	405	222	14	7123
1978-79	0	4	49	390	704	1174	1722	1403	833	510	194	10	6993
1979-80	3	19	70	401	804	1022	1279	1300	907	474	123	26	6428
1980-81	0	0	65	470	722	1112	1273	1037	748	295	221	1	5944
1981-82	1	0	60	360	594	1163	1520	1119	839	548	29	28	6261
1982-83	0	13	94	325	697	849	1133	875	758	537	206	17	5504
1983-84	2	0	92	311	595	1541	1371	849	1038	467	206	1	6473
1984-85	1	1	153	246	734	956	1489	1164	656	284	71	38	5793
1985-86	0	6	111	287	774	1432							

See Reference Notes on Page 6B.

COOLING DEGREE DAYS Base 65 deg. F

PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817
1975	0	0	0	0	83	237	292	307	55	14	0	0	988
1976	0	0	0	28	14	176	326	180	62	14	0	0	800
1977	0	0	0	42	176	179	416	209	88	0	0	0	1110
1978	0	0	0	0	81	208	316	267	221	0	0	0	1093
1979	0	0	0	0	62	206	259	258	95	23	0	0	903
1980	0	0	0	6	70	160	425	378	156	1	0	0	1196
1981	0	0	0	13	33	250	331	250	93	6	1	0	977
1982	0	0	0	0	141	101	338	215	96	26	0	0	917
1983	0	0	0	0	14	250	479	494	188	17	0	0	1442
1984	0	0	0	12	24	285	256	315	129	22	0	0	1043
1985	0	0	3	48	54	155	279	173	164	0	0	0	876

See Reference Notes on Page 6B.

SNOWFALL (inches)

PEORIA, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1956-57	0.0	0.0	0.0	0.0	2.8	9.1	10.0	0.5	8.2	1.6	0.0	0.0	32.2
1957-58	0.0	0.0	0.0	T	0.4	5.4	11.0	1.5	0.4	T	0.0	0.0	18.7
1958-59	0.0	0.0	0.0	0.0	1.0	5.0	11.6	2.6	4.2	T	0.0	0.0	24.4
1959-60	0.0	0.0	0.0	0.0	7.0	2.4	3.3	12.0	16.9	T	T	0.0	41.6
1960-61	0.0	0.0	0.0	0.0	0.3	4.6	3.5	5.3	0.7	1.2	0.0	0.0	15.6
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2	8.8	12.8	3.8	1.6	0.0	0.0	42.3
1975-76	0.0	0.0	0.0	0.0	8.1	1.4	8.6	2.5	2.0	0.0	0.0	0.0	22.6
1976-77	0.0	0.0	0.0	T	0.4	4.1	16.3	4.1	2.4	1.4	0.0	0.0	28.7
1977-78	0.0	0.0	0.0	0.0	6.4	21.7	7.0	7.0	5.0	0.0	0.0	0.0	47.1
1978-79	0.0	0.0	0.0	0.0	2.6	14.2	24.7	3.6	6.5	T	0.0	0.0	51.6
1979-80	0.0	0.0	0.0	0.0	0.8	0.1	3.7	11.3	5.3	6.3	0.0	0.0	27.5
1980-81	0.0	0.0	0.0	T	4.1	3.3	5.9	10.5	T	0.0	0.0	0.0	23.8
1981-82	0.0	0.0	0.0	0.0	0.1	9.8	11.0	6.1	6.5	13.4	0.0	0.0	46.9
1982-83	0.0	0.0	0.0	0.0	0.9	2.0	5.6	4.8	5.7	0.1	0.0	0.0	19.1
1983-84	0.0	0.0	0.0	0.0	3.3	15.9	6.9	4.1	6.0	0.0	0.0	0.0	36.2
1984-85	0.0	0.0	0.0	0.0	T	0.9	9.8	6.2	T	T	0.0	0.0	16.9
1985-86	0.0	0.0	0.0	0.0	1.0	6.2							
Record Mean	0.0	0.0	0.0	0.1	2.2	6.1	6.6	5.0	4.5	1.0	T	0.0	25.5

See Reference Notes on Page 6B.

REFERENCE NOTES

PEORIA, ILLINOIS

GENERAL
T - TRACE AMOUNT.
BLANK ENTRIES DENOTE MISSING/UNREPORTED DATA.
# INDICATES A STATION OR INSTRUMENT RELOCATION.
SEE STATION LOCATION TABLE ON PAGE 8.

SPECIFIC
PAGE 2
PM - INCLUDES LAST DAY OF PREVIOUS MONTH

PAGE 3
(a) - LENGTH OF RECORD IN YEARS, ALTHOUGH INDIVIDUAL MONTHS MAY BE MISSING.
* LESS THAN .05
NORMALS - BASED ON THE 1951-1980 RECORD PERIOD.
EXTREMES - DATES ARE THE MOST RECENT OCCURRENCE
WIND DIR.- NUMERALS SHOW TENS OF DEGRESS CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM.
RESULTANT DIRECTIONS ARE GIVEN TO WHOLE DEGREES.

EXCEPTIONS

PAGES 4A, 4B, 6A
RECORD MEANS ARE THROUGH THE CURRENT YEAR,
BEGINNING IN 1905 FOR TEMPERATURE
1856 FOR PRECIPITATION
1944 FOR SNOWFALL

PEORIA,
ILLINOIS

The airport station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good. The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

June and September are usually the most pleasant months of the year. Then during October or the first of November, Indian Summer is often experienced with an extended period of warm, dry weather.

Precipitation is normally heaviest during the growing season and lowest during midwinter.

The earliest snowfalls have occurred in September and the latest in the spring have occurred as late as May. Heavy snowfalls have rarely exceeded 20 inches.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 20 and the average last occurrence in the spring is April 24.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above									Automatic Observing Equipment *	* Type M = AMOS T = AUTOB Remarks
						Sea level	Ground									
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Sunshine Switch	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer		
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40° 41'	89° 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40° 41'	89° 36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40° 41'	89° 36'	460										
Corner of Pecan & Meyer	1869	1872	9 blks. WSW	40° 41'	89° 36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40° 41'	89° 36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40° 41'	89° 36'	495										
701 Fourth Street	1889	1905	9 blks.NW	40° 42'	89° 36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40° 43'	89° 36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Bldg. Municipal Airport 5 miles WSW of P. O.	3/01/35	5/04/43		40° 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Bldg. Municipal Airport	5/04/43	10/01/59	Not moved	40° 40'	89° 41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg. Greater Peoria Airport	10/01/59	10/24/79	2300 Ft WNW	40° 40'	89° 41'	652	20	6 e	6 d31	90	4 d32	4 d33	4 d31	5	NA	d - Moved to roof 12/22/76. e - Removed 12/22/76.
Business Aviation Bldg. Greater Peoria Airport	10/24/79	Present	800' ENE	40° 40'	89° 41'	652	f20	NA i5	5	f90 h40	f32 g4	f33 g4	f31 g4	f5	NA	f - Not moved 10/24/79. g - Moved to new site 10/27/79. h - Moved to new site 11/7/79. i - Installed 3/10/80.

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ANNUAL SUMMARY WITH COMPARATIVE DATA

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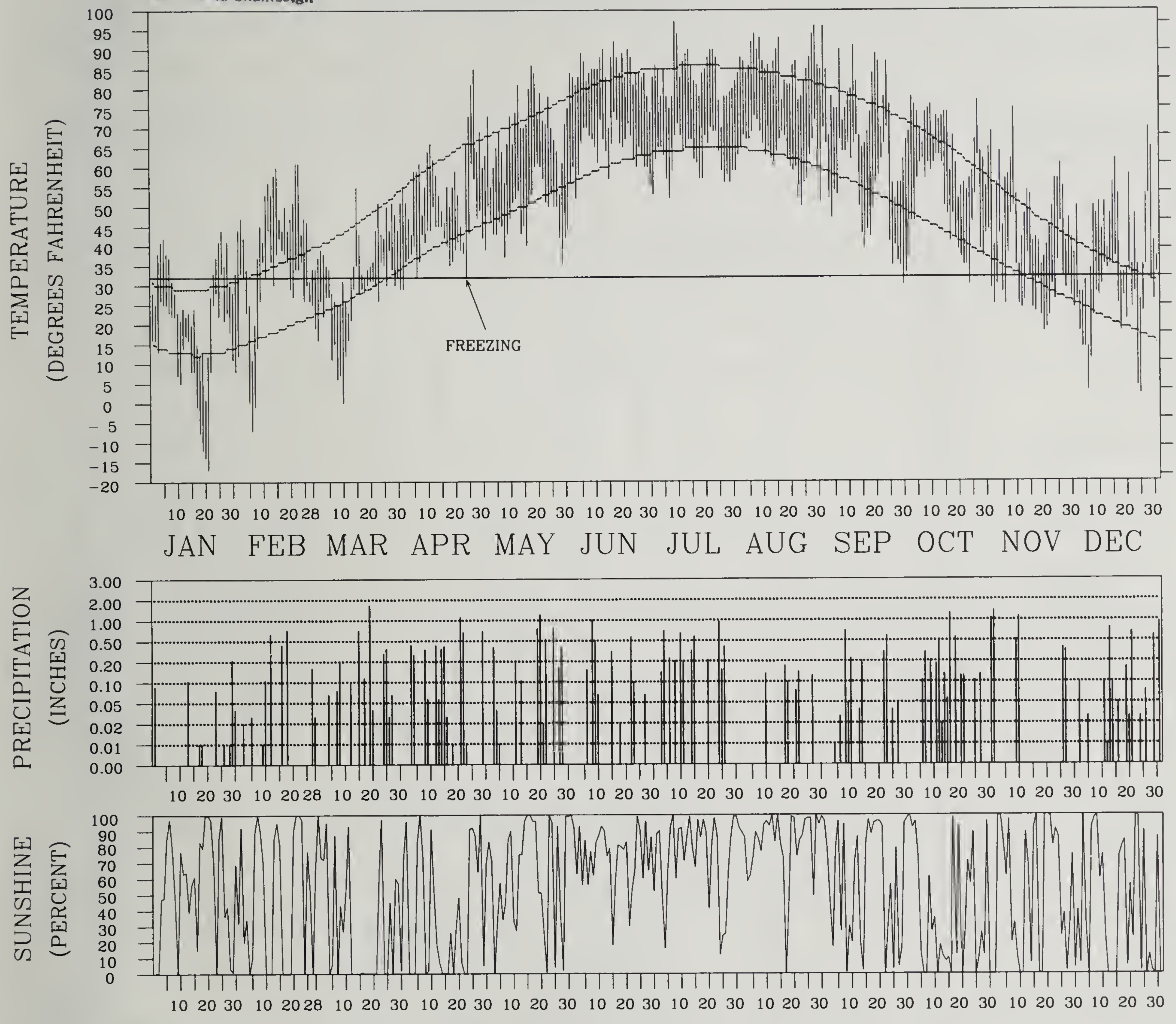

TEMPERATURE DEPICTS NORMAL MAXIMUM, NORMAL MINIMUM AND ACTUAL DAILY HIGH AND LOW VALUES (FAHRENHEIT)
PRECIPITATION IS MEASURED IN INCHES, SCALE IS NON-LINEAR
SUNSHINE IS PERCENT OF THE POSSIBLE SUNSHINE

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, NORTH CAROLINA, 28801

Kenneth D Hadeen
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

noaa

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ASHEVILLE NORTH CAROLINA

METEOROLOGICAL DATA FOR 1984

PEORIA, ILLINOIS

LATITUDE: 40°40′ N LONGITUDE: 89°41′ W ELEVATION: FT. (grd) 652 (msl) 662 TIME ZONE: CENTRAL WBAN: 14842

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:													
Averages													
-Daily Maximum	28.0	43.7	37.7	57.7	69.7	84.3	83.4	86.3	74.7	66.8	50.1	42.8	60.4
-Daily Minimum	13.2	27.2	24.8	41.5	47.8	64.2	62.5	63.4	53.2	48.3	30.4	25.0	41.8
-Monthly	20.6	35.5	31.3	49.6	58.8	74.3	73.0	74.9	64.0	57.6	40.3	33.9	51.2
-Monthly Dewpt.	14.8	27.3	24.3	39.6	47.3	62.5	63.5	64.1	52.2	48.6	30.5	28.1	41.9
Extremes													
-Highest	44	61	55	85	86	92	97	96	96	78	75	70	97
-Date	26	23	15	27	18	17	9	29	1	3	9	28	JUL 9
-Lowest	-17	-7	0	29	35	52	52	50	30	30	18	2	-17
-Date	21	6	10	1	29	3	7	24	30	24	20	25	JAN 21
DEGREE DAYS BASE 65 °F:													
Heating	1371	849	1038	467	206	1	1	1	153	246	734	956	6023
Cooling	0	0	0	12	24	285	256	315	129	22	0	0	1043
% OF POSSIBLE SUNSHINE	54	50	30	38	63	73	75	82	56	37	53	43	56
AVG. SKY COVER (tenths)													
Sunrise - Sunset	6.5	7.1	8.4	7.5	6.1	6.5	4.8	4.6	6.4	7.6	6.1	7.1	6.6
Midnight - Midnight	6.4	6.7	7.9	7.4	5.9	6.3	4.4	4.4	5.8	7.5	5.3	6.8	6.2
NUMBER OF DAYS:													
Sunrise to Sunset													
-Clear	8	8	2	5	9	5	12	11	6	5	10	8	89
-Partly Cloudy	5	4	7	6	7	12	12	15	10	4	4	4	90
-Cloudy	18	17	22	19	15	13	7	5	14	22	16	19	187
Precipitation .01 inches or more	9	9	12	14	12	9	12	6	11	15	5	14	128
Snow,Ice pellets 1.0 inches or more	3	1	3	0	0	0	0	0	0	0	0	0	7
Thunderstorms	0	0	1	4	4	5	13	5	4	6	3	1	46
Heavy Fog, visibility 1/4 mile or less	3	6	3	0	1	0	1	0	2	5	2	6	29
Temperature °F													
-Maximum													
90° and above	0	0	0	0	0	3	5	8	3	0	0	0	19
32° and below	19	4	9	0	0	0	0	0	0	0	0	5	37
-Minimum													
32° and below	30	17	26	3	0	0	0	0	1	1	22	22	122
0° and below	5	3	1	0	0	0	0	0	0	0	0	0	9
AVG. STATION PRESS. (mb)	997.6	990.5	992.2	986.8	991.5	990.5	992.9	992.6	995.3	994.6	994.9	994.8	992.9
RELATIVE HUMIDITY (%)													
Hour 00 (Local Time)	80	76	78	75	75	77	85	82	77	80	76	86	79
Hour 06 (Local Time)	82	80	80	79	81	80	91	91	81	85	82	87	83
Hour 12 (Local Time)	70	68	71	64	57	58	61	57	57	65	60	72	63
Hour 18 (Local Time)	74	71	71	66	56	56	59	58	61	69	65	79	65
PRECIPITATION (inches):													
Water Equivalent													
-Total	0.59	2.28	3.95	5.18	4.84	2.90	5.02	0.78	2.38	5.07	3.95	3.82	40.76
-Greatest (24 hrs)	0.27	0.78	1.76	1.81	2.08	1.43	1.14	0.28	0.93	1.33	2.26	0.96	2.26
-Date	29-30	18	19	21-22	19-20	8- 9	24-25	17-18	22-23	16	PM- 1	31	NOV PM- 1
Snow,Ice pellets													
-Total	6.9	4.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.9	17.9
-Greatest (24 hrs)	2.7	3.6	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.4	3.8
-Date	29-30	27-28	7- 8								28	24	MAR 7- 8
WIND:													
Resultant													
-Direction (!!!)	244	234	023	065	269	209	214	175	192	149	206	221	207
-Speed (mph)	2.4	1.9	3.0	2.0	1.5	2.3	0.9	0.9	1.8	2.6	3.5	2.5	1.1
Average Speed (mph)	9.8	10.6	11.0	12.5	9.5	8.6	6.8	6.5	8.1	7.7	10.3	11.1	9.4
Fastest Mile													
-Direction (!!!)	NW	NE	NW	W	W	29	28	20	19	16	27	26	W
-Speed (mph)	26	29	25	40	34	30	36	18	25	25	25	30	40
-Date	28	27	22	30	8	22	10	27	7	16	15	21	APR 30
PEAK GUST													
-direction (!!!)	NW	SE	N	SW	W	W	W	NW	S	S	W	W	SW
-Speed (mph)	39	46	38	59	47	44	48	26	39	44	40	48	59
-Date	28	12	28	30	8	22	10	22	7	16	15	21	APR 30

(!!!) See Reference Notes on Page 6B

NORMALS, MEANS, AND EXTREMES

PEORIA, ILLINOIS

LATITUDE: 40°40'N LONGITUDE: 89°41' W ELEVATION: FT. (grd) 652 (msl) 662 TIME ZONE: CENTRAL WBAN: 14842

	(a)	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:														
Normals														
-Daily Maximum		29.7	35.2	46.5	61.9	72.5	82.1	85.5	83.4	76.7	64.8	48.5	35.4	60.2
-Daily Minimum		13.3	18.4	28.1	40.6	50.6	60.2	64.6	62.7	54.5	42.9	30.9	20.2	40.6
-Monthly		21.5	26.8	37.3	51.3	61.5	71.2	75.1	73.1	65.6	53.9	39.7	27.8	50.4
Extremes														
-Record Highest	45	68	72	82	89	92	100	103	102	100	90	81	71	103
-Year		1950	1976	1981	1952	1975	1971	1940	1983	1953	1963	1950	1982	JUL 1940
-Record Lowest	45	-25	-18	-10	14	25	39	47	43	26	19	-2	-18	-25
-Year		1977	1979	1960	1982	1966	1945	1972	1950	1942	1972	1977	1983	JAN 1977
NORMAL DEGREE DAYS:														
Heating (base 65°F)		1349	1070	859	411	176	22	0	5	64	361	756	1153	6226
Cooling (base 65°F)		0	0	0	0	71	208	314	256	82	17	0	0	948
% OF POSSIBLE SUNSHINE	41	46	50	51	54	59	66	68	67	65	61	45	40	56
MEAN SKY COVER (tenths)														
Sunrise - Sunset	41	6.8	6.7	7.0	6.8	6.4	6.1	5.4	5.4	5.1	5.3	6.7	7.1	6.2
MEAN NUMBER OF DAYS:														
Sunrise to Sunset														
-Clear	41	7.4	7.0	6.1	6.2	7.0	7.2	9.3	10.2	11.4	11.2	7.0	6.5	96.7
-Partly Cloudy	41	5.9	5.6	7.3	7.9	9.5	10.5	12.1	10.3	8.5	7.9	6.3	5.7	97.4
-Cloudy	41	17.7	15.7	17.5	15.9	14.5	12.3	9.6	10.5	10.0	11.9	16.6	18.8	171.1
Precipitation .01 inches or more	45	9.3	8.3	11.0	11.9	11.6	9.7	8.6	8.2	8.5	7.6	8.8	9.9	113.5
Snow, Ice pellets 1.0 inches or more	41	2.2	1.6	1.5	0.4	0.0	0.0	0.0	0.0	0.0	0.*	0.6	2.0	8.4
Thunderstorms	41	0.6	0.7	2.6	5.3	6.7	8.6	7.9	6.8	5.1	2.5	1.2	0.7	48.7
Heavy Fog Visibility 1/4 mile or less	41	3.0	2.7	2.4	1.0	0.9	0.6	0.9	1.3	1.3	1.7	2.1	3.4	21.4
Temperature °F														
-Maximum														
90° and above	25	0.0	0.0	0.0	0.0	0.4	4.3	7.6	5.0	1.8	0.*	0.0	0.0	19.1
32° and below	25	18.4	11.9	4.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.6	13.2	49.6
-Minimum														
32° and below	25	29.6	25.4	20.7	6.0	0.5	0.0	0.0	0.0	0.1	4.4	17.0	26.5	130.1
0° and below	25	7.2	3.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.7	13.5
AVG. STATION PRESS.(mb)	12	995.5	994.5	991.0	990.9	990.1	990.8	992.4	993.3	993.9	994.4	993.8	994.5	992.9
RELATIVE HUMIDITY (%)														
Hour 00	25	77	78	76	72	75	76	81	83	81	78	79	81	78
Hour 06 (Local Time)	25	78	79	81	78	81	81	86	88	87	85	83	82	82
Hour 12	25	68	66	63	57	57	56	59	60	58	58	66	72	62
Hour 18	25	71	70	65	56	56	56	60	64	64	63	70	76	64
PRECIPITATION (inches):														
Water Equivalent														
-Normal		1.60	1.41	2.86	3.81	3.84	3.88	3.99	3.39	3.63	2.51	1.96	2.01	34.89
-Maximum Monthly	45	8.11	5.18	6.95	8.66	7.96	11.69	8.42	8.61	13.09	10.80	5.58	6.34	13.09
-Year		1965	1942	1973	1947	1957	1974	1958	1965	1961	1941	1983	1949	SEP 1961
-Minimum Monthly	45	0.25	0.33	0.39	0.71	1.04	0.98	0.57	0.78	0.03	0.03	0.43	0.33	0.03
-Year		1956	1947	1958	1971	1964	1971	1945	1984	1979	1964	1953	1962	SEP 1979
-Maximum in 24 hrs	41	4.45	1.92	3.39	5.06	3.62	4.44	3.56	4.32	4.15	3.70	2.45	3.38	5.06
-Year		1965	1954	1944	1950	1956	1974	1953	1955	1961	1969	1946	1949	APR 1950
Snow, Ice pellets														
-Maximum Monthly	41	24.7	12.8	16.9	13.4	0.1					1.8	9.1	21.7	24.7
-Year		1979	1975	1960	1982	1966					1967	1974	1977	JAN 1979
-Maximum in 24 hrs	41	12.2	7.6	9.0	6.1	0.1					1.8	7.2	10.2	12.2
-Year		1979	1944	1946	1982	1966					1967	1951	1973	JAN 1979
WIND:														
Mean Speed (mph)	41	11.1	11.3	12.1	12.1	10.2	9.1	7.9	7.7	8.5	9.5	11.0	10.9	10.1
Prevailing Direction through 1963		S	WNW	WNW	S	S	S	S	S	S	S	S	S	S
Fastest Mile														
-Direction (!!)	40	S	W	W	SW	SW	NW	NW	W	W	SW	W	SW	NW
-speed (MPH)	40	54	52	56	66	61	66	75	65	73	60	56	58	75
-year		1950	1953	1959	1947	1950	1981	1953	1956	1965	1958	1964	1948	JUL 1953

(!!) See Reference Notes on Page 6B.

PRECIPITATION (inches)

PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1955	2.56	2.44	1.76	3.69	3.54	3.20	0.65	4.72	2.62	3.73	0.72	0.36	29.99
1956	0.25	1.11	0.54	3.12	5.20	0.98	4.67	4.47	0.41	0.67	2.30	1.90	25.62
1957	1.70	0.83	2.63	5.61	7.96	3.04	2.00	1.57	1.21	4.34	2.55	3.55	36.99
1958	1.30	0.57	0.39	2.65	3.32	4.86	8.42	3.35	3.15	0.93	2.02	0.49	31.45
1959	1.71	1.84	3.46	2.50	5.09	1.03	2.83	2.25	3.51	3.56	0.96	1.89	30.63
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
1975	2.59	2.85	1.73	3.92	5.19	3.90	4.26	5.62	2.74	3.63	2.75	2.04	41.22
1976	0.78	2.56	4.25	4.86	5.11	2.92	2.98	2.30	1.78	2.48	0.83	0.38	31.23
1977	1.22	0.95	4.41	1.24	3.54	2.06	3.43	7.28	6.26	4.00	1.77	2.25	38.41
1978	0.69	0.59	1.56	4.69	7.72	1.96	3.47	1.28	2.32	1.73	2.54	3.54	32.09
1979	2.48	1.37	4.42	4.48	1.96	1.77	4.81	0.87	0.03	1.70	2.76	2.33	28.98
1980	0.59	1.06	2.79	2.78	2.05	8.94	1.43	6.16	4.09	2.44	0.67	2.25	35.25
1981	0.48	2.41	0.92	5.71	5.77	6.22	7.08	5.61	1.31	1.37	1.64	1.24	39.76
1982	2.88	1.13	4.80	5.40	3.15	3.15	7.53	3.97	1.24	1.47	4.95	5.45	45.12
1983	0.53	1.01	2.84	7.06	6.66	4.48	1.99	1.09	5.08	3.01	5.58	2.65	41.98
1984	0.59	2.28	3.95	5.18	4.84	2.90	5.02	0.78	2.38	5.07	3.95	3.82	40.76
Record Mean	1.77	1.78	2.81	3.59	3.96	3.89	3.81	3.07	3.68	2.47	2.31	2.05	35.18

See Reference Notes on Page 6B.

AVERAGE TEMPERATURE (deg. F)

PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1955	24.5	28.1	37.8	58.7	64.3	68.4	80.9	77.8	67.6	54.3	35.6	26.3	52.0
1956	25.9	29.8	38.9	48.8	64.3	74.1	73.7	74.1	65.5	61.6	39.9	31.8	52.4
1957	18.6	34.5	38.3	51.1	61.1	71.7	77.6	75.2	64.8	51.6	39.5	34.1	51.5
1958	25.0	19.5	36.8	52.2	62.7	66.4	72.8	73.9	65.8	56.5	43.1	23.0	49.8
#1959	18.5	27.0	38.9	51.0	66.1	73.6	75.0	77.8	68.1	51.3	32.9	34.7	51.3
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	66.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
1975	27.5	26.1	33.8	47.0	64.6	72.1	73.8	74.7	60.9	55.3	44.9	30.2	50.9
1976	19.5	34.9	43.9	54.1	58.2	70.5	75.3	70.3	63.3	47.3	32.0	21.0	49.2
1977	8.6	27.0	44.6	57.1	68.6	70.2	78.2	71.4	66.4	51.3	40.3	22.8	50.5
1978	13.3	15.4	32.4	51.2	60.3	71.3	75.0	73.2	70.5	52.1	41.3	26.8	48.6
1979	9.4	14.7	37.9	47.7	60.5	71.2	73.0	72.5	65.6	52.6	38.0	31.8	47.9
1980	23.6	19.9	35.6	49.2	63.0	69.3	78.5	76.9	67.9	49.6	40.7	28.9	50.2
1981	23.7	27.8	40.7	55.4	58.7	73.2	75.4	72.8	65.9	53.4	45.0	27.3	51.6
1982	15.8	24.8	37.7	46.5	68.4	67.2	75.7	71.3	64.9	55.0	41.5	37.4	50.5
1983	28.2	33.5	40.3	46.8	58.6	72.6	80.2	80.8	67.9	55.3	44.9	15.2	52.0
1984	20.6	35.5	31.3	49.6	58.8	74.3	73.0	74.9	64.0	57.6	40.3	33.9	51.2
Record													
Mean	23.7	27.7	38.5	50.9	61.6	71.3	75.6	73.8	66.2	54.5	40.4	28.4	51.0
Max	31.8	36.0	47.7	61.2	72.4	82.1	86.5	84.5	77.3	65.4	49.2	36.0	60.8
Min	15.6	19.4	29.2	40.5	50.7	60.5	64.7	63.0	55.1	43.6	31.6	20.8	41.2

See Reference Notes on Page 6B.

HEATING DEGREE DAYS Base 65 deg. F PEORIA, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1955-56	0	0	41	331	874	1194	1208	1014	801	491	124	26	6104
1956-57	0	6	74	129	747	1026	1434	847	824	431	158	9	5685
1957-58	0	0	70	408	758	949	1233	1271	868	381	114	35	6087
1958-59	1	11	72	274	652	1296	1435	1057	800	418	103	5	6124
#1959-60	1	0	66	421	954	930	1171	1183	1308	374	233	18	6659
1960-61	2	0	53	342	724	1278	1351	922	750	612	277	29	6340
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6569
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974-75	0	1	157	354	756	1081	1156	1085	959	534	92	17	6192
1975-76	13	1	171	306	596	1069	1404	868	648	351	221	5	5653
1976-77	0	9	106	556	981	1357	1747	1061	623	273	60	17	6790
1977-78	0	6	39	418	734	1301	1595	1383	1006	405	222	14	7123
1978-79	0	4	49	390	704	1174	1722	1403	833	510	194	10	6993
1979-80	3	19	70	401	804	1022	1279	1300	907	474	123	26	6428
1980-81	0	0	65	470	722	1112	1273	1037	748	295	221	1	5944
1981-82	1	0	60	360	594	1163	1520	1119	839	548	29	28	6261
1982-83	0	13	94	325	697	849	1133	875	758	537	206	17	5504
1983-84	2	0	92	311	595	1541	1371	849	1038	467	206	1	6473
1984-85	1	1	153	246	734	956							

See Reference Notes on Page 6B.

COOLING DEGREE DAYS Base 65 deg. F PEORIA, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817
1975	0	0	0	0	83	237	292	307	55	14	0	0	988
1976	0	0	0	28	14	176	326	180	62	14	0	0	800
1977	0	0	0	42	176	179	416	209	88	0	0	0	1110
1978	0	0	0	0	81	208	316	267	221	0	0	0	1093
1979	0	0	0	0	62	206	259	258	95	23	0	0	903
1980	0	0	0	6	70	160	425	378	156	1	0	0	1196
1981	0	0	0	13	33	250	331	250	93	6	1	0	977
1982	0	0	0	0	141	101	338	215	96	26	0	0	917
1983	0	0	0	0	14	250	479	494	188	17	0	0	1442
1984	0	0	0	12	24	285	256	315	129	22	0	0	1043

See Reference Notes on Page 6B.

SNOWFALL (inches)

PEORIA, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1955-56	0.0	0.0	0.0	T	2.2	2.3	1.8	5.2	4.5	T	0.0	0.0	16.0
1956-57	0.0	0.0	0.0	0.0	2.8	9.1	10.0	0.5	8.2	1.6	0.0	0.0	32.2
1957-58	0.0	0.0	0.0	T	0.4	5.4	11.0	1.5	0.4	T	0.0	0.0	18.7
1958-59	0.0	0.0	0.0	0.0	1.0	5.0	11.6	2.6	4.2	T	0.0	0.0	24.4
1959-60	0.0	0.0	0.0	0.0	7.0	2.4	3.3	12.0	16.9	T	T	0.0	41.6
1960-61	0.0	0.0	0.0	0.0	0.3	4.6	3.5	5.3	0.7	1.2	0.0	0.0	15.6
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2	8.8	12.8	3.8	1.6	0.0	0.0	42.3
1975-76	0.0	0.0	0.0	0.0	8.1	1.4	8.6	2.5	2.0	0.0	0.0	0.0	22.6
1976-77	0.0	0.0	0.0	T	0.4	4.1	16.3	4.1	2.4	1.4	0.0	0.0	28.7
1977-78	0.0	0.0	0.0	0.0	6.4	21.7	7.0	7.0	5.0	0.0	0.0	0.0	47.1
1978-79	0.0	0.0	0.0	0.0	2.6	14.2	24.7	3.6	6.5	T	0.0	0.0	51.6
1979-80	0.0	0.0	0.0	0.0	0.8	0.1	3.7	11.3	5.3	6.3	0.0	0.0	27.5
1980-81	0.0	0.0	0.0	T	4.1	3.3	5.9	10.5	T	0.0	0.0	0.0	23.8
1981-82	0.0	0.0	0.0	0.0	0.1	9.8	11.0	6.1	6.5	13.4	0.0	0.0	46.9
1982-83	0.0	0.0	0.0	0.0	0.9	2.0	5.6	4.8	5.7	0.1	0.0	0.0	19.1
1983-84	0.0	0.0	0.0	0.0	3.3	15.9	6.9	4.1	6.0	0.0	0.0	0.0	36.2
1984-85	0.0	0.0	0.0	0.0	T	0.9							
Record Mean	0.0	0.0	0.0	0.1	2.2	6.0	6.6	5.0	4.6	1.0	0.0	0.0	25.6

See Reference Notes on Page 6B.

REFERENCE NOTES

PEORIA, ILLINOIS

GENERAL
T - TRACE AMOUNT.
BLANK ENTRIES DENOTE MISSING/UNREPORTED DATA.
# INDICATES A STATION OR INSTRUMENT RELOCATION.
SEE STATION LOCATION TABLE ON PAGE 8.

SPECIFIC
PAGE 2
PM - INCLUDES LAST DAY OF PREVIOUS MONTH

PAGE 3
(a) - LENGTH OF RECORD IN YEARS, ALTHOUGH INDIVIDUAL MONTHS MAY BE MISSING.
* LESS THAN .05
NORMALS - BASED ON THE 1951-1980 RECORD PERIOD.
EXTREMES - DATES ARE THE MOST RECENT OCCURRENCE
WIND DIR.- NUMERALS SHOW TENS OF DEGRESS CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM.
RESULTANT DIRECTIONS ARE GIVEN TO WHOLE DEGREES.

PAGES 4A, 4B, 6A
RECORD MEANS ARE FOR ENTIRE PERIOD OF RECORD, REGARDLESS OF LOCATION

EXCEPTIONS

NONE

PEORIA,
ILLINOIS

The airport station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good. The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

June and September are usually the most pleasant months of the year. Then during October or the first of November, Indian Summer is often experienced with an extended period of warm, dry weather.

Precipitation is normally heaviest during the growing season and at a lowest during midwinter.

The earliest snow of record occurred on September 25, 1942, when 1 inch fell. Traces of snow have occurred as late in the spring as May 9. The greatest snow depth ever recorded was 20 inches on January 14, 1979.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 20 and the average last occurrence in the spring is April 24.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above									Automatic Observing Equipment *	* Type M = AMOS T = AUTOB Remarks
						Sea level	Ground									
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Sunshine Switch	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer		
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40° 41'	89° 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40° 41'	89° 36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40° 41'	89° 36'	460										
Corner of Pecan & Meyer	1869	1872	9 blks. WSW	40° 41'	89° 36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40° 41'	89° 36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40° 41'	89° 36'	495										
701 Fourth Street	1889	1905	9 blks. NW	40° 42'	89° 36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40° 43'	89° 36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Bldg. Municipal Airport 5 miles WSW of P. O.	3/01/35	5/04/43		40° 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Bldg. Municipal Airport	5/04/43	10/01/59	Not moved	40° 40'	89° 41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg. Greater Peoria Airport	10/01/59	10/24/79	2300 Ft WNW	40° 40'	89° 41'	652	20	6 e	6 d31	90	4 d32	4 d33	4 d31	5	NA	d - Moved to roof 12/22/76. e - Removed 12/22/76.
Business Aviation Bldg. Greater Peoria Airport	10/24/79	Present	800' ENE	40° 40'	89° 41'	652	f20	NA i5	5	f90 h40	f32 g4	f33 g4	f31 g4	f5	NA	f - Not moved 10/24/79. g - Moved to new site 10/27/79. h - Moved to new site 11/7/79. i - Installed 3/10/80.

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Price and ordering information available through: National Climatic Data Center, Federal Building, Asheville, North Carolina 28801

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Local Climatological Data

Annual Summary With Comparative Data

1982

PEORIA, ILLINOIS

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

Narrative Climatological Summary

The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

The Airport Station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good.

Monthly mean temperatures range from 24° during January to 75° during July with an annual average of 51°. Illustrating the extreme conditions that have occurred, the single year of 1936 had 17 days with temperatures 100° or higher in July while the early part of that same year had 26 zero days in a 31-day period. 1936 also had the absolute maximum record of 113° set on July 15, but the absolute minimum of -27° dates back to January of 1884. June and September are usually the most pleasant months of the year. Then during October or the first of November, "Indian Summer" is often experienced with an extended period of warm, dry weather.

The average date for the last occurrence in the spring of temperatures as low as 32° is April 16, with the latest date occurring on May 25 in 1925. The average date for the first occurrence in the fall of temperatures as low as 32° is October 21, with the earliest date occurring on September 23 in 1974. The average growing season is 189 days, with the longest growing season of record of 214 days occurring in 1931. The shortest was 151 days in 1928 and in 1974.

The normal annual precipitation is 35.06 inches, with individual years ranging from 23.18 inches in 1910 to 53.26 inches in 1858. Precipitation is normally heaviest during the growing season and at a minimum during midwinter. However, the wettest month on record was September 1961 with 13.09 inches. The driest was October 1964 with only 0.03 of an inch. The maximum amount of rainfall occurring in any 24-hour period was 5.52 inches in May 1927. Maximum amounts recorded for shorter periods are: for 5 minutes, 0.75 of an inch; for 15 minutes, 1.26 inches, for 30 minutes, 2.10 inches; and for 60 minutes, 2.62 inches.

Seasonal snowfall has ranged from only 7.8 inches during the winter of 1965-1966 to 51.6 inches in 1978-1979. The earliest snow of record occurred on Septembet 25, 1942, when 1.0 inch fell. Traces of snow have occurred as late in the spring as May 9. The heaviest single storm of record brought 18 inches during the last two days of February in 1900. The greatest snow depth ever recorded was 20 inches on January 14, 1979.

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Meteorological Data For The Current Year

Station: PEORIA, ILLINOIS # 14842 GREATER PEORIA AIRPORT Standard time used: CENTRAL Latitude: 40° 40' N Longitude: 89° 41' W Elevation (ground): 652 feet Year: 1982

Month	Temperature °F							Degree days Base 65 °F		Precipitation in inches						Relative humidity, pct.				Wind						Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Number of days											Average station pressure mb
	Averages			Extremes						Water equivalent			Snow, Ice pellets			Hour 00	Hour 06	Hour 12	Hour 18	Resultant		Average speed m.p.h.	Fastest mile					Sunrise to sunset			Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less.	Temperature °F Maximum (b) 90° and above	Temperature °F Maximum 32° and below	Temperature °F Minimum 32° and below	Temperature °F Minimum 0° and below	Elev. 662 feet m.s.l.
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date	Heating	Cooling	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date	(Local time)				Direction	Speed m.p.h.		Speed m.p.h.	Direction	Date			Clear	Partly cloudy	Cloudy									
JAN	24.9	6.7	15.8	42	22	-18	10	1520	0	2.88	0.99	29-30	11.0	2.0	31	69	68	61	66	28	3.8	13.2	32	W	4	41	7.4	5	6	20	15	6	0	2	0	20	31	11	994.2
FEB	32.7	16.8	24.8	51	20	-15	6	1119	0	1.13	0.48	16-17	6.1	2.7	4-5	74	75	66	67	04	0.7	9.7	23	NW	9	50	7.1	6	5	17	7	2	0	4	0	13	21	4	999.0
MAR	46.6	28.8	37.7	71	30	4	9	839	0	4.80	1.30	19	6.5	2.8	3-4	76	81	63	64	27	0.9	11.9	35	SW	30	52	7.1	5	8	18	15	4	7	2	0	6	18	0	992.9
APR	57.2	35.8	46.5	80	15	14	7	548	0	5.40	3.05	16	13.4	6.1	8-9	69	74	52	56	20	1.6	12.4	41	W	3	57	6.5	7	7	16	11	3	3	0	0	3	10	0	993.2
MAY	79.7	57.1	68.4	90	17	45	7	29	141	3.15	1.14	20-21	0.0	0.0		75	81	54	56	18	4.2	9.2	29	SW	6	50	8.5	0	5	26	10	0	11	1	1	0	0	0	990.5
JUN	77.8	56.6	67.2	90	29	47	5	28	101	3.15	0.88	15	0.0	0.0		78	82	56	57	33	0.3	8.3	26	W	7	62	6.4	7	8	15	14	0	8	1	1	0	0	0	990.9
JUL	84.8	66.6	75.7	92	17	56	1	0	338	7.53	2.99	18-19	0.0	0.0		84	88	66	66	20	2.1	7.9	32	NW	18	67	6.1	9	9	13	13	0	8	2	3	0	0	0	992.2
AUG	80.9	61.6	71.3	94	3	51	28	13	215	3.97	2.50	24	0.0	0.0		88	92	68	70	18	0.6	7.3	26	NW	24	61	6.6	7	11	13	13	0	4	5	3	0	0	0	993.9
SEP	75.1	54.6	64.9	87	12	40	22	94	96	1.24	0.63	17	0.0	0.0		88	94	63	69	22	1.5	7.8	24	S	28	61	5.9	10	8	12	6	0	5	4	0	0	0	0	994.2
OCT	66.5	43.5	55.0	87	5	25	22	325	26	1.47	0.65	19	0.0	0.0		79	84	55	61	20	4.8	8.5	30	SW	19	56	5.9	9	9	13	6	0	2	2	0	0	6	0	994.2
NOV	49.7	33.2	41.5	70	10	15	13	697	0	4.95	1.85	11-12	0.9	0.8	23	76	80	68	71	21	3.3	10.9	33	NW	12	32	8.3	3	3	24	10	0	1	2	0	3	15	0	994.9
DEC	44.5	30.2	37.4	71	2	5	12	849	0	5.45	2.37	2-3	2.0	1.7	10	81	82	74	77	21	3.7	10.9	32	SE	27	28	7.8	5	4	22	10	1	3	5	0	5	19	0	993.9
YEAR	60.0	41.0	50.5	94	AUG 3	-18	JAN 10	6061	917	45.12	3.05	APR 16	39.9	6.1	APR 8-9	78	82	62	65	21	1.8	9.8	41	W	APR 3	53	7.0	73	83	209	130	16	52	30	8	50	120	15	993.7

Normals, Means, And Extremes

Month	Temperatures °F							Normal Degree days Base 65 °F		Precipitation in inches											Relative humidity pct.				Wind					Pct. of possible sunshine	Mean sky cover, tenths, sunrise to sunset	Mean number of days											Average station pressure mb.
	Normal			Extremes						Water equivalent							Snow, Ice pellets				Hour 00	Hour 06	Hour 12	Hour 18			Fastest mile					Sunrise to sunset			Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less	Temperatures °F Max. (b) 90° and above	Temperatures °F Max. 32° and below	Temperatures °F Min. 32° and below	Temperatures °F Min. 0° and below	Elev. 662 feet m.s.l.
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year	Heating	Cooling	Normal	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Maximum monthly	Year	Maximum in 24 hrs.	Year	(Local time)				Mean speed m.p.h.	Prevailing direction	Speed m.p.h.	Direction	Year			Clear	Partly cloudy	Cloudy									
(a)				43		43					43		43		39		39		39		23	23	23	23	39	9	38	38		39	39	39	39	39	43	39	39	39	23	23	23	23	10
J	31.9	15.7	23.8	68	1950	-25	1977	1277	0	1.82	8.11	1965	0.25	1956	4.45	1965	24.7	1979	12.2	1979	76	77	68	71	11.2	S	54	S	1950	46	6.8	8	5	18	9	2	1	3	0	19	30	8	995.4
F	36.0	19.3	27.7	72	1976	-18	1979	1044	0	1.50	5.18	1942	0.33	1947	1.92	1954	12.8	1975	7.6	1944	78	79	66	70	11.4	WNW	52	W	1953	50	6.7	7	5	16	8	2	1	3	0	13	26	3	995.1
M	46.5	28.1	37.3	82	1981	-10	1960	859	0	2.80	6.95	1973	0.39	1958	3.39	1944	16.9	1960	9.0	1946	76	81	63	65	12.2	WNW	56	W	1959	52	6.9	6	8	17	11	2	3	2	0	4	21	*	991.3
A	61.7	40.8	51.3	89	1952	14	1982	416	0	4.36	8.66	1947	0.71	1971	5.06	1950	13.4	1982	6.1	1982	71	78	56	56	12.1	S	66	SW	1947	55	6.8	6	8	16	12	*	5	1	0	*	6	0	991.6
M	72.3	50.7	61.5	92	1975	25	1966	180	71	3.87	7.96	1957	1.04	1964	3.62	1956	0.1	1966	0.1	1966	75	81	57	56	10.2	S	61	SW	1950	59	6.4	7	10	14	12	0	7	1	*	0	1	0	990.1
J	81.7	60.9	71.3	100	1971	39	1945	17	208	3.91	11.69	1974	0.98	1971	4.44	1974	0.0		0.0		76	81	56	56	9.1	S	66	NW	1981	66	6.1	7	11	12	10	0	9	1	4	0	0	0	990.8
J	85.5	64.6	75.1	103	1940	47	1972	0	314	3.76	8.42	1958	0.57	1945	3.56	1953	0.0		0.0		81	86	59	60	8.0	S	75	NW	1953	68	5.5	9	12	10	9	0	8	1	7	0	0	0	992.3
A	84.0	62.9	73.5	101	1947	43	1950	8	256	3.07	8.61	1965	0.81	1974	4.32	1955	0.0		0.0		83	88	61	64	7.8	S	65	W	1956	66	5.5	10	10	11	8	0	7	1	4	0	0	0	993.3
S	76.4	54.6	65.5	100	1953	26	1942	70	82	3.55	13.09	1961	0.03	1979	4.15	1961	0.0		0.0		82	88	59	64	8.6	S	73	W	1965	65	5.1	12	8	10	8	0	5	1	2	0	*	0	993.8
O	65.9	44.0	55.0	90	1963	19	1972	327	17	2.51	10.80	1941	0.03	1964	3.70	1969	1.8	1967	1.8	1967	78	84	57	62	9.5	S	60	SW	1958	62	5.2	11	8	12	7	*	2	2	*	0	5	0	994.2
N	48.7	31.1	39.9	81	1950	-2	1977	753	0	2.02	5.29	1946	0.43	1953	2.45	1946	9.1	1974	7.2	1951	79	83	66	70	11.1	S	56	W	1964	45	6.7	7	6	17	9	1	1	2	0	2	17	*	994.2
D	35.7	20.3	28.0	71	1982	-18	1963	1147	0	1.89	6.34	1949	0.33	1962	3.38	1949	21.7	1977	10.2	1973	81	82	72	76	10.9	S	58	SW	1948	40	7.0	7	5	19	10	2	1	3	0	13	27	3	994.2
YR	60.5	41.1	50.8	103	JUL 1940	-25	JAN 1977	6098	948	35.06	13.09	SEP 1961	0.03	SEP 1979	5.06	APR 1950	24.7	JAN 1979	12.2	JAN 1979	78	82	62	64	10.2	S	75	NW	JUL 1953	57	6.2	97	96	172	113	8	49	21	18	51	131	14	993.0

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 113 in July 1936; lowest temperature -27 in January 1884; maximum precipitation in 24 hours 5.52 in May 1927; maximum monthly snowfall 26.5 in February 1900; maximum snowfall in 24 hours 18.0 in February 1900.

(a) Length of record, years, through the current year unless otherwise noted, based on January data.
(b) 70° and above at Alaskan stations.
* Less than one half.
T Trace.

NORMALS - Based on record for the 1941-1970 period.
DATE OF AN EXTREME - The most recent in cases of multiple occurrence.
PREVAILING WIND DIRECTION - Record through 1963.
WIND DIRECTION - Numerals indicate tens of degrees clockwise from true north. 00 indicates calm.
FASTEST MILE WIND - Speed is fastest observed 1-minute value when the direction is in tens of degrees.

Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
#1943	24.3	30.6	35.4	48.8	58.8	73.2	76.1	75.6	61.9	53.8	36.4	26.2	49.9
1944	31.0	29.4	34.4	47.4	66.4	74.2	74.8	73.8	66.2	54.4	43.0	22.2	51.4
1945	19.8	29.6	49.4	51.6	55.6	66.4	72.4	74.0	65.4	51.5	39.6	21.6	49.8
1946	27.2	30.8	50.1	54.2	58.2	70.4	76.1	69.9	65.8	59.0	42.8	33.0	53.1
1947	28.5	21.5	32.7	49.8	56.8	68.0	72.4	82.0	68.2	63.2	35.0	31.3	50.8
1948	20.2	27.6	37.5	55.0	59.6	70.6	74.8	74.3	69.0	52.2	42.8	31.4	51.2
1949	26.5	27.5	39.0	50.6	64.4	74.7	78.4	74.5	60.4	57.4	42.3	33.3	52.4
1950	29.2	26.9	34.6	44.3	63.6	69.9	72.4	69.0	65.8	60.1	34.0	20.8	49.2
1951	24.3	27.9	34.7	47.9	63.9	68.4	73.8	71.7	62.3	55.2	33.3	26.1	49.1
1952	27.2	33.0	36.1	52.4	60.9	76.7	77.0	72.6	65.7	48.4	42.5	32.3	52.1
1953	28.4	32.9	39.9	47.0	61.7	75.8	77.0	75.1	67.2	59.0	43.0	31.1	53.2
1954	27.4	37.5	35.4	55.6	57.5	75.5	77.8	73.8	69.1	55.4	41.8	31.1	53.1
1955	24.5	28.1	37.8	58.7	64.3	68.4	80.9	77.8	67.6	54.3	35.6	26.3	52.0
1956	25.9	29.8	38.9	48.8	64.3	74.1	73.7	74.1	65.5	61.6	39.9	31.8	52.4
1957	18.6	34.5	38.3	51.1	61.1	71.7	77.6	75.2	64.8	51.6	39.5	34.1	51.5
1958	25.0	19.5	36.8	52.2	62.7	66.4	72.8	73.9	65.8	56.5	43.1	23.0	49.8
#1959	18.5	27.0	38.9	51.0	66.1	73.6	75.0	77.8	68.1	51.3	32.9	34.7	51.3
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	29.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.9	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	65.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
1975	27.5	26.1	33.8	47.0	64.6	72.1	73.8	74.7	60.9	55.3	44.9	30.2	50.9
1976	19.5	34.9	43.9	54.1	58.2	72.5	75.3	70.3	63.3	47.3	32.0	21.0	49.2
1977	8.6	27.0	44.6	57.1	68.6	70.2	78.2	71.4	66.4	51.3	40.3	22.8	50.5
1978	13.3	15.4	32.4	51.2	60.3	71.3	75.0	73.2	70.5	52.1	41.3	26.8	48.6
1979	9.4	14.7	37.9	47.7	60.5	71.2	73.0	72.5	65.6	52.6	38.0	31.8	47.9
1980	23.6	19.9	35.6	49.2	63.0	69.3	78.5	76.9	67.9	49.6	40.7	28.9	50.2
1981	23.7	27.8	40.7	55.4	58.7	73.2	75.4	72.8	65.9	53.4	45.0	27.3	51.6
1982	15.8	24.8	37.7	46.5	68.4	67.2	75.7	71.3	64.9	55.0	41.5	37.4	50.5
RECORD MEAN	23.7	27.5	38.5	51.0	61.6	71.3	75.6	73.7	66.2	54.5	40.3	28.5	51.0
MAX	31.8	35.8	47.8	61.4	72.5	82.1	86.4	84.4	77.3	65.4	49.1	36.1	60.8
MIN	15.5	19.2	29.2	40.6	50.7	60.4	64.7	62.9	55.1	43.5	31.5	20.9	41.2

Heating Degree Days

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974-75	0	1	157	354	756	1081	1156	1085	959	534	92	17	6192
1975-76	13	1	171	306	596	1069	1404	968	648	351	221	5	5653
1976-77	0	9	106	556	981	1357	1747	1061	623	273	60	17	6790
1977-78	0	6	39	418	734	1301	1595	1383	1006	405	222	14	7123
1978-79	0	4	49	390	704	1174	1722	1403	833	510	194	10	6993
1979-80	3	19	70	401	804	1022	1279	1300	907	474	123	26	6428
1980-81	0	0	65	470	722	1112	1273	1037	748	295	221	1	5944
1981-82	1	0	60	360	594	1163	1520	1119	839	548	29	28	6261
1982-83	0	13	94	325	697	849							

Cooling Degree Days

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817
1975	0	0	0	0	83	237	292	307	55	14	0	0	988
1976	0	0	0	28	14	176	326	180	62	14	0	0	800
1977	0	0	0	42	176	179	416	209	88	0	0	0	1110
1978	0	0	0	0	81	208	316	267	221	0	0	0	1093
1979	0	0	0	0	62	206	259	258	95	23	0	0	903
1980	0	0	0	6	70	160	425	378	156	1	0	0	1196
1981	0	0	0	13	33	250	331	250	93	6	1	0	977
1982	0	0	0	0	141	101	338	215	96	26	0	0	917

Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
#1943	1.68	1.04	2.43	5.79	7.35	3.49	2.56	4.63	0.88	1.60	1.23	0.58	33.26
1944	0.57	1.74	5.92	8.32	4.12	2.72	1.73	2.86	4.49	1.23	1.33	0.90	35.93
1945	0.49	1.24	3.90	5.58	4.90	5.66	0.57	1.11	7.36	0.74	2.19	2.39	36.13
1946	2.63	0.58	4.22	1.55	5.06	7.41	0.79	3.40	2.32	3.88	5.29	1.76	38.89
1947	1.47	0.33	2.25	8.66	4.63	7.13	1.64	1.33	2.49	3.57	2.54	3.13	39.17
1948	1.25	1.70	3.94	1.81	2.55	3.25	8.18	0.81	1.72	1.18	1.13	2.61	30.13
1949	4.43	1.63	2.57	2.75	1.17	3.25	4.93	1.28	1.62	2.71	0.65	6.34	33.33
1950	4.09	2.75	1.73	8.49	1.45	5.90	4.13	1.67	3.49	0.61	2.04	0.95	37.30
1951	1.58	3.44	3.35	4.09	2.56	4.04	5.81	3.30	2.50	2.97	2.43	1.16	37.23
1952	1.51	1.59	4.10	3.88	3.90	5.68	2.44	4.73	1.77	0.85	3.09	1.89	35.43
1953	1.28	0.77	4.80	2.81	2.16	3.47	6.32	1.61	2.11	0.74	0.43	2.33	28.83
1954	0.89	2.68	3.41	5.47	2.59	6.35	3.82	8.56	0.93	3.27	2.19	1.80	41.96
1955	2.56	2.44	1.76	3.69	3.54	3.20	0.65	4.72	2.62	3.73	0.72	0.36	29.99
1956	0.25	1.11	0.54	3.12	5.20	0.98	4.67	4.47	0.41	0.67	2.30	1.90	25.62
1957	1.70	0.83	2.63	5.61	7.96	3.04	2.00	1.57	1.21	4.34	2.55	3.55	36.99
1958	1.30	0.57	0.39	2.65	3.32	4.86	8.42	3.35	3.15	0.93	2.02	0.49	31.45
1959	1.71	1.84	3.46	2.50	5.09	1.03	2.83	2.25	3.51	3.56	0.96	1.89	30.63
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
1975	2.59	2.85	1.73	3.92	5.19	3.90	4.26	5.62	2.74	3.63	2.75	2.04	41.22
1976	0.78	2.56	4.25	4.86	5.11	2.92	2.98	2.30	1.78	2.48	0.83	0.38	31.23
1977	1.22	0.95	4.41	1.24	3.54	2.06	3.43	7.28	6.26	4.00	1.77	2.25	38.41
1978	0.69	0.59	1.56	4.69	7.72	1.96	3.47	1.28	2.32	1.73	2.54	3.54	32.09
1979	2.48	1.37	4.42	4.48	1.96	1.77	4.81	0.87	0.03	1.70	2.76	2.33	28.98
1980	0.59	1.06	2.79	2.77	2.05	8.94	1.43	6.16	4.09	2.44	0.67	2.25	35.25
1981	0.48	2.41	0.92	5.71	5.77	6.22	7.08	5.61	1.31	1.37	1.64	1.24	39.76
1982	2.88	1.13	4.60	5.40	3.15	3.15	7.53	3.97	1.24	1.47	4.95	5.45	45.12
RECORD MEAN	1.79	1.78	2.80	3.56	3.93	3.89	3.81	3.11	3.68	2.44	2.27	2.03	35.09

Snowfall

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1943-44	0.0	0.0	0.0	0.0	0.4	3.0	T	11.0	2.8	0.0	T	0.0	17.2
1944-45	0.0	0.0	0.0	0.0	0.3	8.3	7.0	3.0	2.7	T	0.0	0.0	21.3
1945-46	0.0	0.0	0.0	0.0	0.5	7.0	1.8	3.2	9.9	T	0.0	0.0	22.4
1946-47	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.3	6.8	T	0.0	0.0	22.3
1947-48	0.0	0.0	0.0	0.0	3.6	1.9	4.3	4.0	3.0	0.0	0.0	0.0	16.7
1948-49	0.0	0.0	0.0	0.0	T	2.0	3.2	3.8	0.1	1.2	0.0	0.0	10.3
1949-50	0.0	0.0	0.0	0.0	0.3	3.6	2.1	10.7	2.0	T	T	0.0	18.7
1950-51	0.0	0.0	0.0	T	4.8	8.3	4.8	5.4	10.2	2.1	0.0	0.0	35.6
1951-52	0.0	0.0	0.0	0.0	8.9	9.8	2.3	6.5	4.8	T	0.0	0.0	32.3
1952-53	0.0	0.0	0.0	0.0	T	2.4	5.2	0.4	3.2	2.6	0.0	0.0	13.8
1953-54	0.0	0.0	0.0	0.0	1.8	4.3	0.1	2.8	4.3	0.0	T	0.0	13.3
1954-55	0.0	0.0	0.0	T	4.0	8.2	12.0	3.1	5.6	0.0	0.0	0.0	32.9
1955-56	0.0	0.0	0.0	T	2.2	2.3	1.8	5.2	4.5	T	0.0	0.0	16.0
1956-57	0.0	0.0	0.0	0.0	2.8	9.1	10.0	0.5	8.2	1.6	0.0	0.0	32.2
1957-58	0.0	0.0	0.0	T	0.4	5.4	11.0	1.5	0.4	T	0.0	0.0	18.7
1958-59	0.0	0.0	0.0	0.0	1.0	5.0	11.6	2.6	4.2	T	0.0	0.0	24.4
1959-60	0.0	0.0	0.0	0.0	7.0	2.4	3.3	12.0	16.9	T	T	0.0	41.6
1960-61	0.0	0.0	0.0	0.0	0.3	4.6	3.5	5.3	0.7	1.2	0.0	0.0	15.6
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2	8.8	12.8	3.8	1.6	0.0	0.0	42.3
1975-76	0.0	0.0	0.0	0.0	8.1	1.4	8.6	2.5	2.0	0.0	0.0	0.0	22.6
1976-77	0.0	0.0	0.0	T	0.4	4.1	16.3	4.1	2.4	1.4	0.0	0.0	28.7
1977-78	0.0	0.0	0.0	0.0	6.4	21.7	7.0	7.0	5.0	0.0	0.0	0.0	47.1
1978-79	0.0	0.0	0.0	0.0	2.6	14.2	24.7	3.6	6.5	T	0.0	0.0	51.6
1979-80	0.0	0.0	0.0	0.0	0.8	0.1	3.7	11.3	5.3	6.3	0.0	0.0	27.5
1980-81	0.0	0.0	0.0	T	4.1	3.3	5.9	10.5	T	0.0	0.0	0.0	23.8
1981-82	0.0	0.0	0.0	0.0	0.1	9.8	11.0	6.1	6.5	13.4	0.0	0.0	46.9
1982-83	0.0	0.0	0.0	0.0	0.9	2.0							
RECORD MEAN	0.0	0.0	0.0	0.1	2.3	5.9	6.6	5.0	4.6	1.1	T	0.0	25.6

# Indicates a station move or relocation of instruments. See Station Location table.

Record mean values above are means through the current year for the period beginning in 1905 for temperature, 1856 for precipitation and 1944 for snowfall. Data are from cooperative and city locations through May 4, 1943.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above Sea level: Ground at temperature site	Elevation above Ground: Wind instruments	Extreme thermometers	Psychrometer	Sunshine Switch	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Automatic Observing Equipment *	Remarks * Type M = AMOS T = AUTOB
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40° 41'	89° 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40° 41'	89° 36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40° 41'	89° 36'	460										
Corner of Pecan & Meyer	1869	1872	9 blks. WSW	40° 41'	89° 36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40° 41'	89° 36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40° 41'	89° 36'	495										
701 Fourth Street	1889	1905	9 blks.NW	40° 42'	89° 36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40° 43'	89° 36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Bldg. Municipal Airport 5 miles WSW of P. O.	3/01/35	5/04/43		40° 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Bldg. Municipal Airport	5/04/43	10/01/59	Not moved	40° 40'	89° 41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg. Greater Peoria Airport	10/01/59	10/24/79	2300 Ft WNW	40° 40'	89° 41'	652	20	6 e	6 d31	90	4 d32	4 d33	4 d31	5	NA	d - Moved to roof 12/22/76. e - Removed 12/22/76.
Business Aviation Bldg. Greater Peoria Airport	10/24/79	Present	800' ENE	40° 40'	89° 41'	652	f20	NA i5	5	f90 h40	f32 g4	f33 g4	f31 g4	f5	NA	f - Not moved 10/24/79. g - Moved to new site 10/27/79. h - Moved to new site 11/7/79. i - Installed 3/10/80.

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L. Ray Hoxit
Acting Director
National Climatic Data Center

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1981

PEORIA, ILLINOIS

DEPARTMENT OF COMMERCE • UNITED STATES OF AMERICA •

Narrative Climatological Summary

The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

The Airport Station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good.

Monthly mean temperatures range from 24° during January to 75° during July with an annual average of 51°. Illustrating the extreme conditions that have occurred, the single year of 1936 had 17 days with temperatures 100° or higher in July while the early part of that same year had 26 zero days in a 31-day period. 1936 also had the absolute maximum record of 113° set on July 15, but the absolute minimum of -27° dates back to January of 1884. June and September are usually the most pleasant months of the year. Then during October or first of November, "Indian Summer" is often experienced with an extended period of warm dry weather.

The average date for the last occurrence in the spring of temperatures as low as 32° is April 16 with the latest date occurring on May 25 in 1925. The average date for the first occurrence in the fall of temperatures as low as 32° is October 21 with the earliest date occurring on September 23 in 1974. The average growing season is 189 days with the longest growing season of record of 214 days occurring in 1931, while the shortest was 151 days in 1928 and in 1974.

The normal annual precipitation is 35.06 inches with individual years ranging from 23.18 inches in 1910 to 53.26 inches in 1858. Precipitation is normally heaviest during the growing season and at a minimum during midwinter. However, the wettest month on record was September in 1961 with 13.09 inches; and the driest was October of 1964 with only 0.03 of an inch. The maximum amount of rainfall occurring in any 24-hour period was 5.52 inches in May of 1927. Maximum amounts recorded for shorter periods are: for 5 minutes, 0.75 of an inch; for 15 minutes, 1.26 inches; for 30 minutes, 2.10 inches; and for 60 minutes, 2.62 inches.

Seasonal snowfall has ranged from only 7.8 inches during the winter of 1965/1966 to 51.6 inches in 1978/1979. The earliest snow of record occurred on September 25, 1942, when 1.0 inch fell; while traces have occurred as late in the spring as May 9. The heaviest single storm of record brought 18 inches during the last two days of February in 1900. The greatest snow depth ever recorded was 20 inches on January 14, 1979.

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Meteorological Data For The Current Year

Station: PEORIA, ILLINOIS # 14842 GREATER PEORIA AIRPORT Standard time used: CENTRAL Latitude: 40° 40′ N Longitude: 89° 41′ W Elevation (ground): 652 feet Year: 1981

Month	Temperature °F Averages Daily maximum	Temperature °F Averages Daily minimum	Temperature °F Averages Monthly	Temperature °F Extremes Highest	Temperature °F Extremes Date	Temperature °F Extremes Lowest	Temperature °F Extremes Date	Degree days Base 65 °F Heating	Degree days Base 65 °F Cooling	Precipitation in inches Water equivalent Total	Precipitation in inches Water equivalent Greatest in 24 hrs.	Precipitation in inches Water equivalent Date	Precipitation in inches Snow, Ice pellets Total	Precipitation in inches Snow, Ice pellets Greatest in 24 hrs.	Precipitation in inches Snow, Ice pellets Date	Relative humidity, pct. Hour 00 (Local time)	Relative humidity, pct. Hour 06 (Local time)	Relative humidity, pct. Hour 12 (Local time)	Relative humidity, pct. Hour 18 (Local time)
JAN	32.6	14.7	23.7	52	25	-5	10	1273	0	0.48	0.17	6	5.9	2.6	8	79	85	68	70
FEB	37.5	18.1	27.8	64	27	-14	12	1037	0	2.41	1.41	21-22	10.5	6.4	10	85	86	72	75
MAR	52.0	29.3	40.7	82	31	15	3	748	0	0.92	0.65	29-30	T	T	19	71	78	48	48
APR	65.9	44.8	55.4	84	27	27	6	295	13	5.71	1.36	13	0.0	0.0		74	79	62	61
MAY	68.9	48.4	58.7	87	29	35	12	221	33	5.77	2.34	9-10	0.0	0.0		75	80	60	59
JUN	83.1	63.2	73.2	91	29	51	17	1	250	6.22	1.71	24	0.0	0.0		81	84	62	63
JUL	83.7	67.0	75.4	96	13	54	29	1	331	7.08	3.07	18-19	0.0	0.0		87	91	69	69
AUG	81.8	63.8	72.8	89	31	53	20	0	250	5.61	2.12	14-15	0.0	0.0		89	92	69	73
SEP	76.7	55.0	65.9	89	30	42	18	60	93	1.31	0.63	25-26	0.0	0.0		83	88	61	66
OCT	63.8	42.9	53.4	79	5	22	24	360	6	1.37	0.52	13-14	0.0	0.0		77	82	60	63
NOV	54.1	35.9	45.0	72	3	17	22	594	1	1.64	0.39	1-2	0.1	0.1	19	79	84	69	73
DEC	35.1	19.4	27.3	57	7	-5	20	1163	0	1.24	0.33	16-17	9.8	3.8	16-17	79	80	69	75
YEAR	61.3	41.9	51.6	96	JUL 13	-14	FEB 12	5753	977	39.76	3.07	JUL 18-19	26.3	6.4	FEB 10	80	84	64	66

Month	Wind Resultant Direction	Wind Resultant Speed m.p.h.	Wind Average speed m.p.h.	Wind Fastest mile Speed m.p.h.	Wind Fastest mile Direction	Wind Fastest mile Date	Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Number of days Sunrise to sunset Clear	Number of days Sunrise to sunset Partly cloudy	Number of days Sunrise to sunset Cloudy	Number of days Precipitation .01 inch or more	Number of days Snow, Ice pellets 1.0 inch or more	Number of days Thunderstorms	Number of days Heavy fog, visibility ¼ mile or less	Number of days Temperature °F Maximum (b) 90° and above	Number of days Temperature °F Maximum 32° and below	Number of days Temperature °F Minimum 32° and below	Number of days Temperature °F Minimum 0° and below	Average station pressure mb Elev. 662 feet m.s.l.
JAN	28	3.9	9.6	26	NW	1	58	5.8	9	9	13	5	2	0	3	0	17	30	5	996.6
FEB	23	4.5	12.2	30	NW	11	57	6.5	7	8	13	10	2	1	5	0	11	21	6	993.9
MAR	29	2.3	10.5	31	NW	15	73	5.5	11	10	10	6	0	0	0	0	0	24	0	991.5
APR	21	3.0	11.9	33	S	3	55	6.6	5	10	15	12	0	10	1	0	0	2	0	991.5
MAY	08	2.9	9.3	27	NE	14	52	7.2	6	7	18	15	0	3	0	0	0	0	0	990.9
JUN	21	3.3	8.1	66	NW	24	60	6.9	4	9	17	13	0	11	1	2	0	0	0	989.5
JUL	10	1.6	7.1	20	S	18	55	6.3	10	5	16	10	0	7	1	5	0	0	0	992.9
AUG	16	1.0	6.7	24	N	14	57	6.6	4	15	12	11	0	8	7	0	0	0	0	992.6
SEP	25	1.2	7.9	29	W	27	68	5.3	10	10	10	7	0	3	4	0	0	0	0	993.2
OCT	20	1.0	9.4	34	W	18	56	6.2	9	9	13	8	0	3	2	0	0	3	0	995.6
NOV	24	0.4	9.5	32	SW	26	48	6.6	9	5	16	9	0	1	4	0	1	11	0	993.9
DEC	25	3.2	10.0	28	S	20	48	6.8	5	8	18	11	3	0	3	0	11	27	4	994.2
YEAR	23	1.4	9.4	66	NW	JUN 24	58	6.4	89	105	171	117	7	47	31	7	40	118	15	993.0

Normals, Means, And Extremes

Month	Temperatures °F Normal Daily maximum	Temperatures °F Normal Daily minimum	Temperatures °F Normal Monthly	Temperatures °F Extremes Record highest	Temperatures °F Extremes Year	Temperatures °F Extremes Record lowest	Temperatures °F Extremes Year	Normal Degree days Base 65 °F Heating	Normal Degree days Base 65 °F Cooling	Precipitation in inches Water equivalent Normal	Precipitation in inches Water equivalent Maximum monthly	Precipitation in inches Water equivalent Year	Precipitation in inches Water equivalent Minimum monthly	Precipitation in inches Water equivalent Year	Precipitation in inches Water equivalent Maximum in 24 hrs.	Precipitation in inches Water equivalent Year	Precipitation in inches Snow, Ice pellets Maximum monthly	Precipitation in inches Snow, Ice pellets Year	Precipitation in inches Snow, Ice pellets Maximum in 24 hrs.	Precipitation in inches Snow, Ice pellets Year
(a)				42		42					42		42		38		38		36	
J	31.9	15.7	23.8	68	1950	-25	1977	1277	0	1.82	8.11	1965	0.25	1956	4.45	1965	24.7	1979	12.2	1979
F	36.0	19.3	27.7	72	1976	-18	1979	1044	0	1.50	5.18	1942	0.33	1947	1.92	1954	12.6	1975	7.6	1944
M	46.5	28.1	37.3	82	1981	-10	1960	859	0	2.80	6.95	1973	0.39	1958	3.39	1944	16.9	1960	9.0	1946
A	61.7	40.8	51.3	89	1952	17	1975	416	5	4.36	8.66	1947	0.71	1971	5.06	1950	6.3	1980	5.5	1980
M	72.3	50.7	61.5	92	1975	25	1966	180	71	3.87	7.96	1957	1.04	1964	3.62	1956	0.1	1966	0.1	1966
J	81.7	60.9	71.3	100	1971	39	1945	17	206	3.91	11.69	1974	0.98	1971	4.44	1974	0.0		0.0	
J	85.5	64.6	75.1	103	1940	47	1972	0	313	3.76	8.42	1958	0.57	1945	3.56	1953	0.0		0.0	
A	84.0	62.9	73.5	101	1947	43	1950	8	271	3.07	8.61	1965	0.81	1974	4.32	1955	0.0		0.0	
S	76.4	54.6	65.5	100	1953	26	1942	70	85	3.55	13.09	1961	0.03	1979	4.15	1961	0.0		0.0	
O	65.9	44.0	55.0	90	1963	19	1972	327	17	2.51	10.80	1941	0.03	1964	3.70	1969	1.8	1967	1.8	1967
N	48.7	31.1	39.9	81	1950	-2	1977	753	0	2.02	5.29	1946	0.43	1953	2.45	1946	9.1	1974	7.2	1951
D	35.7	20.3	26.0	71	1970	-18	1963	1147	0	1.89	6.34	1949	0.33	1962	3.38	1949	21.7	1977	10.2	1973
YR	60.5	41.1	50.8	103	JUL 1940	-25	JAN 1977	6098	968	35.06	13.09	SEP 1961	0.03	SEP 1979	5.06	APR 1950	24.7	JAN 1979	12.2	JAN 1979

Month	Relative humidity pct. Hour 00 (Local time)	Relative humidity pct. Hour 06 (Local time)	Relative humidity pct. Hour 12 (Local time)	Relative humidity pct. Hour 18 (Local time)	Wind Mean speed m.p.h.	Wind Prevailing direction	Wind Fastest mile Speed m.p.h.	Wind Fastest mile Direction	Wind Fastest mile Year	Pct. of possible sunshine	Mean sky cover, tenths, sunrise to sunset	Mean number of days Sunrise to sunset Clear	Mean number of days Sunrise to sunset Partly cloudy	Mean number of days Sunrise to sunset Cloudy	Mean number of days Precipitation .01 inch or more	Mean number of days Snow, Ice pellets 1.0 inch or more	Mean number of days Thunderstorms	Mean number of days Heavy fog, visibility ¼ mile or less	Mean number of days Temperatures °F Max. (b) 90° and above	Mean number of days Temperatures °F Max. 32° and below	Mean number of days Temperatures °F Min. 32° and below	Mean number of days Temperatures °F Min. 0° and below	Average station pressure mb. Elev. 662 feet m.s.l.
(a)	22	22	22	22	38	9	37	37		38	38	38	38	38	42	38	38	38	22	22	22	22	9
J	77	78	68	72	11.1	S	54	S	1950	47	6.7	8	5	18	9	2	1	3	0	19	29	8	995.5
F	78	79	66	70	11.4	WNW	52	W	1953	50	6.7	7	5	16	8	2	1	3	0	13	26	3	994.7
M	76	81	63	65	12.2	WNW	56	W	1959	52	6.9	6	8	17	11	1	3	2	0	4	21	*	991.1
A	71	78	56	56	12.1	S	66	SW	1947	55	6.8	6	8	16	12	*	5	1	0	*	6	0	991.5
M	75	81	57	56	10.2	S	61	SW	1950	59	6.3	7	10	14	12	0	7	1	*	0	1	0	990.1
J	76	81	56	56	9.1	S	66	NW	1981	66	6.1	7	11	12	10	0	9	1	5	0	0	0	990.8
J	81	86	59	60	8.0	S	75	NW	1953	68	5.4	9	12	10	9	0	8	1	7	0	0	0	992.3
A	83	88	60	64	7.8	S	65	W	1956	66	5.5	10	10	11	8	0	7	1	4	0	0	0	993.2
S	82	88	58	64	8.6	S	73	W	1965	65	5.1	12	8	10	9	0	5	1	2	0	*	0	993.7
O	78	84	58	62	9.5	S	60	SW	1958	62	5.2	12	7	12	7	*	2	2	*	0	5	0	994.2
N	79	83	66	70	11.1	S	56	W	1964	45	6.6	7	7	16	9	1	1	2	0	2	17	*	994.2
D	81	82	71	76	10.9	S	58	SW	1948	41	7.0	7	5	19	10	2	1	3	0	14	27	3	994.2
YR	78	82	62	64	10.2	S	75	NW	JUL 1953	57	6.2	98	96	171	112	8	49	21	18	51	132	14	993.0

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 113 in July 1936; lowest temperature -27 in January 1884; maximum precipitation in 24 hours 5.52 in May 1927; maximum monthly snowfall 26.5 in February 1900; maximum snowfall in 24 hours 18.0 in February 1900.

(a) Length of record, years, through the current year unless otherwise noted, based on January data.
(b) 70° and above at Alaskan stations.
* Less than one half.
T Trace.

NORMALS - Based on record for the 1941-1970 period.
DATE OF AN EXTREME - The most recent in cases of multiple occurrence.
PREVAILING WIND DIRECTION - Record through 1963.
WIND DIRECTION - Numerals indicate tens of degrees clockwise from true north. 00 indicates calm.
FASTEST MILE WIND - Speed is fastest observed 1-minute value when the direction is in tens of degrees.

Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1942	25.6	26.8	42.0	56.1	61.9	71.9	76.3	73.4	64.8	55.2	41.4	24.6	51.7
#1943	24.3	30.6	35.4	48.8	58.8	73.2	76.1	75.6	61.9	53.8	36.4	26.2	49.9
1944	31.0	29.4	34.4	47.4	66.4	74.2	74.8	73.8	66.2	54.4	43.0	22.2	51.4
1945	19.8	29.6	49.4	51.6	55.6	66.4	72.4	74.0	65.4	51.5	39.6	21.6	49.8
1946	27.2	30.8	50.1	54.2	58.2	70.4	76.1	69.9	65.8	59.0	42.8	33.0	53.1
1947	28.5	21.5	32.7	49.8	56.8	68.0	72.4	82.0	68.2	63.2	35.0	31.3	50.8
1948	20.2	27.6	37.5	55.0	59.6	70.6	74.8	74.3	69.0	52.2	42.8	31.4	51.2
1949	26.5	27.5	39.0	50.6	64.4	74.7	78.4	74.5	60.4	57.4	42.3	33.3	52.4
1950	29.2	26.9	34.6	44.3	63.6	69.9	72.4	69.0	65.8	60.1	34.0	20.8	49.2
1951	24.3	27.9	34.7	47.9	63.9	68.4	73.8	71.7	62.3	55.2	33.3	26.1	49.1
1952	27.2	33.0	36.1	52.4	60.9	76.7	77.0	72.6	65.7	48.4	42.5	32.3	52.1
1953	28.4	32.9	39.9	47.0	61.7	75.8	77.0	75.1	67.2	59.0	43.0	31.1	53.2
1954	27.4	37.5	35.4	55.6	57.5	75.5	77.8	73.8	69.1	55.4	41.8	31.1	53.1
1955	24.5	28.1	37.8	58.7	64.3	68.4	80.9	77.8	67.6	54.3	35.6	26.3	52.0
1956	25.9	29.8	38.9	48.8	64.3	74.1	73.7	74.1	65.5	61.6	39.9	31.8	52.4
1957	18.6	34.5	38.3	51.1	61.1	71.7	77.6	75.2	64.8	51.6	39.5	34.1	51.5
1958	25.0	19.5	36.8	52.2	62.7	66.4	72.8	73.9	65.8	56.5	43.1	23.0	49.8
#1959	18.5	27.0	38.9	51.0	66.1	73.6	75.0	77.8	68.1	51.3	32.9	34.7	51.3
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	66.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
1975	27.5	26.1	33.8	47.0	64.6	72.1	73.8	74.7	60.9	55.3	44.9	30.2	50.9
1976	19.5	34.9	43.9	54.1	58.2	70.5	75.3	70.3	63.3	47.3	32.0	21.0	49.2
1977	8.6	27.0	44.6	57.1	68.6	70.2	78.2	71.4	66.4	51.3	40.3	22.8	50.5
1978	13.3	15.4	32.4	51.2	60.3	71.3	75.0	73.2	70.5	52.1	41.3	26.8	48.6
1979	9.4	14.7	37.9	47.7	60.5	71.2	73.0	72.5	65.6	52.6	38.0	31.8	47.9
1980	23.6	19.9	35.6	49.2	63.0	69.3	78.5	76.9	67.9	49.6	40.7	28.9	50.2
1981	23.7	27.8	40.7	55.4	58.7	73.2	75.4	72.8	65.9	53.4	45.0	27.3	51.6
RECORD MEAN	23.8	27.6	38.5	51.0	61.5	71.3	75.6	73.7	66.2	54.4	40.3	28.4	51.0
MAX	31.9	35.9	47.8	61.4	72.4	82.1	86.5	84.4	77.3	65.3	49.1	36.0	60.8
MIN	15.7	19.3	29.2	40.9	50.6	60.5	64.7	62.9	55.1	43.5	31.5	20.8	41.2

Heating Degree Days

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6569
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	106	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	66	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	67	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974-75	0	1	157	354	756	1081	1156	1085	959	534	92	17	6192
1975-76	13	1	171	306	596	1069	1404	868	648	351	221	5	5653
1976-77	0	9	106	556	981	1357	1747	1061	623	273	60	17	6790
1977-78	0	6	39	418	734	1301	1595	1363	1006	405	222	14	7123
1978-79	0	4	49	390	704	1174	1722	1403	833	510	194	10	6993
1979-80	3	19	70	401	804	1022	1279	1300	907	474	123	26	6428
1980-81	0	0	65	470	722	1112	1273	1037	748	295	221	1	5944
1981-82	1	0	60	360	594	1163							

Cooling Degree Days

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817
1975	0	0	0	0	83	237	292	307	55	14	0	0	988
1976	0	0	0	28	14	176	326	180	62	14	0	0	800
1977	0	0	0	42	176	179	416	209	88	0	0	0	1110
1978	0	0	0	0	81	208	316	267	221	0	0	0	1093
1979	0	0	0	0	62	206	259	258	95	23	0	0	903
1980	0	0	0	6	70	160	425	378	156	1	0	0	1196
1981	0	0	0	13	33	250	331	250	93	6	1	0	977

Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1942	1.39	5.18	2.18	3.71	3.48	5.56	4.73	2.24	2.55	0.96	4.58	2.58	39.14
#1943	1.68	1.04	2.43	5.79	7.35	3.49	2.56	4.63	0.88	1.60	1.23	0.58	33.26
1944	0.57	1.74	5.92	8.32	4.12	2.72	1.73	2.86	4.49	1.23	1.33	0.90	35.93
1945	0.49	1.24	3.90	5.58	4.90	5.66	0.57	1.11	7.36	0.74	2.19	2.39	36.13
1946	2.63	0.58	4.22	1.55	5.06	7.41	0.79	3.40	2.32	3.88	5.29	1.76	38.89
1947	1.47	0.33	2.25	8.66	4.63	7.13	1.64	1.33	2.49	3.57	2.54	3.13	39.17
1948	1.25	1.70	3.94	1.81	2.55	3.25	8.18	0.81	1.72	1.18	1.13	2.61	30.13
1949	4.43	1.63	2.57	2.75	1.17	3.25	4.93	1.28	1.62	2.71	0.65	6.34	33.33
1950	4.09	2.75	1.73	8.49	1.45	5.90	4.13	1.67	3.49	0.61	2.04	0.95	37.30
1951	1.58	3.44	3.35	4.09	2.56	4.04	5.81	3.30	2.50	2.97	2.43	1.16	37.23
1952	1.51	1.59	4.10	3.88	3.90	5.68	2.44	4.73	1.77	0.85	3.09	1.89	35.43
1953	1.28	0.77	4.80	2.81	2.16	3.47	6.32	1.61	2.11	0.74	0.43	2.33	28.83
1954	0.89	2.68	3.41	5.47	2.59	6.35	3.82	8.56	0.93	3.27	2.19	1.80	41.96
1955	2.56	2.44	1.76	3.69	3.54	3.20	0.65	4.72	2.62	3.73	0.72	0.36	29.99
1956	0.25	1.11	0.54	3.12	5.20	0.98	4.67	4.47	0.41	0.67	2.30	1.90	25.62
1957	1.70	0.83	2.63	5.61	7.96	3.04	2.00	1.57	1.21	4.34	2.55	3.55	36.99
1958	1.30	0.57	0.39	2.65	3.32	4.86	8.42	3.35	3.15	0.93	2.02	0.49	31.45
1959	1.71	1.84	3.46	2.50	5.09	1.03	2.83	2.25	3.51	3.56	0.96	1.89	30.63
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
1975	2.59	2.85	1.73	3.92	5.19	3.90	4.26	5.62	2.74	3.63	2.75	2.04	41.22
1976	0.78	2.56	4.25	4.86	5.11	2.92	2.98	2.30	1.78	2.48	0.83	0.38	31.23
1977	1.22	0.95	4.41	1.24	3.54	2.06	3.43	7.28	6.26	4.00	1.77	2.25	38.41
1978	0.69	0.59	1.56	4.69	7.72	1.96	3.47	1.28	2.32	1.73	2.54	3.54	32.09
1979	2.48	1.37	4.42	4.48	1.96	1.77	4.81	0.87	0.03	1.70	2.76	2.33	28.98
1980	0.59	1.06	2.79	2.78	2.05	8.94	1.43	6.16	4.09	2.44	0.67	2.25	35.25
1981	0.48	2.41	0.92	5.71	5.77	6.22	7.08	5.61	1.31	1.37	1.64	1.24	39.76
RECORD MEAN	1.78	1.78	2.78	3.54	3.94	3.90	3.78	3.10	3.70	2.45	2.25	2.00	35.00

Snowfall

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
#1942-43	0.0	0.0	1.0	0.0	3.2	9.5	14.2	6.5	7.7	0.2	0.0	0.0	42.3
1943-44	0.0	0.0	0.0	0.0	0.4	3.0	T	11.0	2.8	0.0	T	0.0	17.2
1944-45	0.0	0.0	0.0	0.0	0.3	8.3	7.0	3.0	2.7	T	0.0	0.0	21.3
1945-46	0.0	0.0	0.0	0.0	0.5	7.0	1.8	3.2	9.9	T	0.0	0.0	22.4
1946-47	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.3	6.8	T	0.0	0.0	22.3
1947-48	0.0	0.0	0.0	0.0	3.6	1.8	4.3	4.0	3.0	0.0	0.0	0.0	16.7
1948-49	0.0	0.0	0.0	0.0	T	2.0	3.2	3.8	0.1	1.2	0.0	0.0	10.3
1949-50	0.0	0.0	0.0	0.0	0.3	3.6	2.1	10.7	2.0	T	T	0.0	18.7
1950-51	0.0	0.0	0.0	T	4.8	8.3	4.8	5.4	10.2	2.1	0.0	0.0	35.6
1951-52	0.0	0.0	0.0	0.0	8.9	9.8	2.3	6.5	4.8	T	0.0	0.0	32.3
1952-53	0.0	0.0	0.0	0.0	T	2.4	5.2	0.4	3.2	2.6	0.0	0.0	13.8
1953-54	0.0	0.0	0.0	0.0	1.8	4.3	0.1	2.8	4.3	0.0	T	0.0	13.3
1954-55	0.0	0.0	0.0	T	4.0	8.2	12.0	3.1	5.6	0.0	0.0	0.0	32.9
1955-56	0.0	0.0	0.0	T	2.2	2.3	1.8	5.2	4.5	T	0.0	0.0	16.0
1956-57	0.0	0.0	0.0	0.0	2.8	9.1	10.0	0.5	8.2	1.6	0.0	0.0	32.2
1957-58	0.0	0.0	0.0	T	0.4	5.4	11.0	1.5	0.4	T	0.0	0.0	18.7
1958-59	0.0	0.0	0.0	0.0	1.0	5.0	11.6	2.6	4.2	T	0.0	0.0	24.4
1959-60	0.0	0.0	0.0	0.0	7.0	2.4	3.3	12.0	16.9	T	T	0.0	41.6
1960-61	0.0	0.0	0.0	0.0	0.3	4.6	3.5	5.3	0.7	1.2	0.0	0.0	15.6
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2	8.8	12.8	3.8	1.6	0.0	0.0	42.3
1975-76	0.0	0.0	0.0	0.0	8.1	1.4	8.6	2.5	2.0	0.0	0.0	0.0	22.6
1976-77	0.0	0.0	0.0	T	0.4	4.1	16.3	4.1	2.4	1.4	0.0	0.0	28.7
1977-78	0.0	0.0	0.0	0.0	6.4	21.7	7.0	7.0	5.0	0.0	0.0	0.0	47.1
1978-79	0.0	0.0	0.0	0.0	2.6	14.2	24.7	3.6	6.5	T	0.0	0.0	51.6
1979-80	0.0	0.0	0.0	0.0	0.8	0.1	3.7	11.3	5.3	6.3	0.0	0.0	27.5
1980-81	0.0	0.0	0.0	T	4.1	3.3	5.9	10.5	T	0.0	0.0	0.0	23.8
1981-82	0.0	0.0	0.0	0.0	0.1	9.8							
RECORD MEAN	0.0	0.0	0.0	0.1	2.3	6.0	6.5	5.0	4.5	0.7	T	0.0	25.1

# Indicates a station move or relocation of instruments. See Station Location table.

Record mean values above are means through the current year for the period beginning in 1905 for temperature, 1856 for precipitation and 1944 for snowfall. Data are from cooperative and city locations through May 4, 1943.

STATION LOCATION

* Type
M = AMOS
T = AUTOB

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above									Automatic Observing Equipment *	Remarks
						Sea level	Ground									
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Sunshine Switch	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer		
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40° 41'	89° 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40° 41'	89° 36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40° 41'	89° 36'	460										
Corner of Pecan & Meyer	1869	1872	9 blks. WSW	40° 41'	89° 36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40° 41'	89° 36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40° 41'	89° 36'	495										
701 Fourth Street	1889	1905	9 blks. NW	40° 42'	89° 36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40° 43'	89° 36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Bldg. Municipal Airport 5 miles WSW of P. O.	3/01/35	5/04/43		40° 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Bldg. Municipal Airport	5/04/43	10/01/59	Not moved	40° 40'	89° 41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg. Greater Peoria Airport	10/01/59	10/24/79	2300 Ft WNW	40° 40'	89° 41'	652	20	6 e	6 d31	90	4 d32	4 d33	4 d31	5	NA	d - Moved to roof 12/22/76. e - Removed 12/22/76.
Business Aviation Bldg. Greater Peoria Airport	10/24/79	Present	800' ENE	40° 40'	89° 41'	652	f20	NA i5	5	f90 h40	f32 g4	f33 g4	f31 g4	f5	NA	f - Not moved 10/24/79. g - Moved to new site 10/27/79. h - Moved to new site 11/7/79. i - Installed 3/10/80.

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Daniel B. Mitchell
Director, National Climatic Center

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Summary With Comparative Data

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Narrative Climatological Summary

The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

The Airport Station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good.

Monthly mean temperatures range from 24° during January to 75° during July with an annual average of 51°. Illustrating the extreme conditions that have occurred, the single year of 1936 had 17 days with temperatures 100° or higher in July while the early part of that same year had 26 zero days in a 31-day period. 1936 also had the absolute maximum record of 113° set on July 15, but the absolute minimum of -27° dates back to January of 1884. June and September are usually the most pleasant months of the year. Then during October or first of November, "Indian Summer" is often experienced with an extended period of warm dry weather.

The average date for the last occurrence in the spring of temperatures as low as 32° is April 16 with the latest date occurring on May 25 in 1925. The average date for the first occurrence in the fall of temperatures as low as 32° is October 21 with the earliest date occurring on September 23 in 1974. The average growing season is 189 days with the longest growing season of record of 214 days occurring in 1931, while the shortest was 151 days in 1928 and in 1974.

The normal annual precipitation is 35.06 inches with individual years ranging from 23.18 inches in 1910 to 53.26 inches in 1858. Precipitation is normally heaviest during the growing season and at a minimum during midwinter. However, the wettest month on record was September in 1961 with 13.09 inches; and the driest was October of 1964 with only 0.03 of an inch. The maximum amount of rainfall occurring in any 24-hour period was 5.52 inches in May of 1927. Maximum amounts recorded for shorter periods are: for 5 minutes, 0.75 of an inch; for 15 minutes, 1.26 inches; for 30 minutes, 2.10 inches; and for 60 minutes, 2.60 inches.

Annual snowfall has ranged from only 6.0 inches in 1928 to 45.7 inches in 1926. The earliest snow of record occurred on September 25, 1942, when 1.0 inch fell; while traces have occurred as late in the spring as May 9. The heaviest single storm of record brought 18 inches during the last 2 days of February in 1900.

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Meteorological Data For The Current Year

Station: PEORIA, ILLINOIS GREATER PEORIA AIRPORT Standard time used: CENTRAL Latitude: 40° 40' N Longitude: 89° 41' W Elevation (ground): 652 feet Year: 1980
14842

Month	Temperature °F							Degree days Base 65 °F		Precipitation in inches						Relative humidity, pct.				Wind						Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Number of days											Average station pressure mb
	Averages			Extremes						Water equivalent			Snow, Ice pellets			(Local time)				Resultant			Fastest mile					Sunrise to sunset							Temperature °F Maximum		Temperature °F Minimum		
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date	Heating	Cooling	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date	Hour 00	Hour 06	Hour 12	Hour 18	Direction	Speed m.p.h.	Average speed m.p.h.	Speed m.p.h.	Direction	Date			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less	(b) 90° and above	32° and below	32° and below	0° and below	Elev. 662 feet m.s.l.
JAN	31.0	16.2	23.6	54	16	-1	31	1279	0	0.59	0.14	30	3.7	2.3	30	82	83	71	78	27	2.2	9.3	35	29	11	43	7.6	6	5	20	12	1	0	1	0	18	29	1	995.6
FEB	27.7	12.1	19.9	42	24	-8	17	1300	0	1.06	0.44	14-15	11.3	3.9	14-15	83	85	74	77	30	1.3	9.4	30	33	25	43	7.1	6	5	18	12	4	1	4	0	23	26	6	997.0
MAR	44.2	27.0	35.6	59	20	3	2	907	0	2.79	0.75	7-8	5.3	4.9	12-13	74	78	63	66	07	0.9	11.9	29	NW	10	48	7.5	4	7	20	14	2	3	1	0	4	22	0	992.2
APR	59.1	39.2	49.2	88	22	30	16	474	6	2.78	1.18	7-8	6.3	5.5	14	74	78	58	57	32	2.4	10.6	29	W	8	45	7.2	6	5	19	12	1	2	0	0	0	7	0	989.5
MAY	74.2	51.8	63.0	90	29	34	9	123	70	2.05	0.79	16-17	0.0	0.0		70	78	52	52	05	0.6	7.4	28	W	17	54	6.1	9	9	13	7	0	6	4	1	0	0	0	989.8
JUN	79.8	58.7	69.3	93	27	46	20	26	160	8.94	4.42	2	0.0	0.0		81	87	64	59	17	1.7	8.1	30	NE	2	68	5.5	8	13	9	8	0	8	0	2	0	0	0	991.2
JUL	89.5	67.5	78.5	99	14	59	28	0	425	1.43	0.51	21	0.0	0.0		86	87	62	63	19	1.6	7.8	50	NW	5	68	5.1	9	14	8	7	0	11	1	19	0	0	0	990.9
AUG	86.7	67.1	76.9	97	4	58	23	0	378	6.16	1.98	13-14	0.0	0.0		85	89	66	69	16	3.4	7.7	33	W	14	59	5.3	11	10	10	15	0	13	1	11	0	0	0	991.2
SEP	78.7	57.0	67.9	90	8	39	26	65	156	4.09	2.17	15-16	0.0	0.0		79	83	56	62	20	1.9	7.3	36	W	1	70	5.1	11	9	10	9	0	10	1	1	0	0	0	993.2
OCT	60.9	38.3	49.6	83	1	22	30	470	1	2.44	1.34	16-17	T	T	27-28	75	82	55	60	27	2.3	9.1	27	NW	11	73	4.9	12	9	10	7	0	3	1	0	0	10	0	992.9
NOV	50.0	31.3	40.7	69	7	16	26	722	0	0.67	0.29	27-28	4.1	3.4	27-28	75	80	60	64	27	2.3	10.3	37	NW	28	61	5.7	12	5	13	6	2	0	0	0	0	21	0	995.3
DEC	36.3	21.5	28.9	66	6	-10	25	1112	0	2.25	1.17	7-8	3.3	2.2	23-24	81	82	71	77	29	1.1	9.5	28	NW	7	32	8.2	3	3	25	12	1	1	1	0	10	26	1	998.0
YEAR	59.8	40.6	50.2	99	JUL 14	-10	DEC 25	6478	1196	35.25	4.42	JUN 2	34.0	5.5	APR 14	79	83	63	65	24	0.8	9.0	50	NW	JUL 5	56	6.3	97	94	175	121	11	58	15	34	55	141	8	993.1

Normals, Means, And Extremes

Month	Temperatures °F							Normal Degree days Base 65 °F		Precipitation in inches											Relative humidity pct.				Wind					Pct. of possible sunshine	Mean sky cover, tenths, sunrise to sunset	Mean number of days											Average station pressure mb.
	Normal			Extremes						Water equivalent							Snow, Ice pellets				(Local time)						Fastest mile					Sunrise to sunset							Temperatures °F Max.		Temperatures °F Min.		
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year	Heating	Cooling	Normal	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Maximum monthly	Year	Maximum in 24 hrs.	Year	Hour 00	Hour 06	Hour 12	Hour 18	Mean speed m.p.h.	Prevailing direction	Speed m.p.h.	Direction	Year			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less	(b) 90° and above	32° and below	32° and below	0° and below	Elev. 662 feet m.s.l.
(a)				41		41					41		41		37		37		37		21	21	21	21	37	9	36	36		37	37	37	37	37	41	37	37	37	21	21	21	21	8
J	31.9	15.7	23.8	68	1950	-25	1977	1277	0	1.82	8.11	1965	0.25	1956	4.45	1965	24.7	1979	12.2	1979	77	77	68	72	11.2	S	54	S	1950	46	6.8	8	5	18	9	2	1	3	0	19	29	8	995.4
F	36.0	19.3	27.7	72	1976	-18	1979	1044	0	1.50	5.18	1942	0.33	1947	1.92	1954	12.6	1975	7.6	1944	77	79	66	70	11.4	WNW	52	W	1953	50	6.7	7	5	16	8	2	1	3	0	13	26	3	994.8
M	46.5	28.1	37.3	81	1967	-10	1960	859	0	2.80	6.95	1973	0.39	1958	3.39	1944	16.9	1960	9.0	1946	77	81	64	66	12.2	WNW	56	W	1959	51	7.0	6	8	17	11	1	3	3	0	4	21	*	991.0
A	61.7	40.8	51.3	69	1952	17	1975	416	5	4.36	8.66	1947	0.71	1971	5.06	1950	6.3	1980	5.5	1980	71	78	56	55	12.1	S	66	SW	1947	55	6.8	6	8	16	12	*	5	1	0	*	6	0	991.5
M	72.3	50.7	61.5	92	1975	25	1966	180	71	3.87	7.96	1957	1.04	1964	3.62	1956	0.1	1966	0.1	1966	75	81	57	56	10.2	S	61	SW	1950	59	6.3	7	10	14	11	0	7	1	*	0	1	0	990.0
J	81.7	60.9	71.3	100	1971	39	1945	17	206	3.91	11.69	1974	0.98	1971	4.44	1974	0.0		0.0		76	81	56	56	9.1	S	66	N	1953	66	6.0	7	11	12	10	0	9	1	5	0	0	0	991.0
J	85.5	64.6	75.1	103	1940	47	1972	0	313	3.76	8.42	1958	0.57	1945	3.56	1953	0.0		0.0		81	85	58	60	8.0	S	75	NW	1953	68	5.4	9	12	10	8	0	8	1	7	0	0	0	992.2
A	84.0	62.9	73.5	101	1947	43	1950	8	271	3.07	8.61	1965	0.81	1974	4.32	1955	0.0		0.0		83	88	60	63	7.8	S	65	W	1956	66	5.4	10	10	11	8	0	7	1	4	0	0	0	993.3
S	76.4	54.6	65.5	100	1953	26	1942	70	85	3.55	13.09	1961	0.03	1979	4.15	1961	0.0		0.0		81	88	58	64	8.6	S	73	W	1965	65	5.1	12	8	10	9	0	5	1	2	0	*	0	993.8
O	65.9	44.0	55.0	90	1963	19	1972	327	17	2.51	10.80	1941	0.03	1964	3.70	1969	1.6	1967	1.8	1967	78	85	57	62	9.5	S	60	SW	1958	62	5.2	12	8	11	7	*	2	2	*	0	5	0	994.1
N	48.7	31.1	39.9	81	1950	-2	1977	753	0	2.02	5.29	1946	0.43	1953	2.45	1946	9.1	1974	7.2	1951	79	83	65	70	11.1	S	56	W	1964	45	6.6	7	7	16	9	1	1	2	0	2	17	*	994.2
D	35.7	20.3	28.0	71	1970	-18	1963	1147	0	1.89	6.34	1949	0.33	1962	3.38	1949	21.7	1977	10.2	1973	81	82	72	76	10.9	S	58	SW	1948	41	7.0	7	5	19	10	2	1	3	0	14	27	3	994.2
YR	60.5	41.1	50.8	103	JUL 1940	-25	JAN 1977	6098	968	35.06	13.09	SEP 1961	0.03	SEP 1979	5.06	APR 1950	24.7	JAN 1979	12.2	JAN 1979	78	82	61	64	10.2	S	75	NW	JUL 1953	57	6.2	98	97	170	112	8	49	21	18	51	132	14	993.0

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 113 in July 1936; lowest temperature -27 in January 1884; maximum precipitation in 24 hours 5.52 in May 1927; maximum monthly snowfall 26.5 in February 1900; maximum snowfall in 24 hours 18.0 in February 1900.

(a) Length of record, years, through the current year unless otherwise noted, based on January data.
(b) 70° and above at Alaskan stations.
* Less than one half.
T Trace.

NORMALS - Based on record for the 1941-1970 period.
DATE OF AN EXTREME - The most recent in cases of multiple occurrence.
PREVAILING WIND DIRECTION - Record through 1963.
WIND DIRECTION - Numerals indicate tens of degrees clockwise from true north. 00 indicates calm.
FASTEST MILE WIND - Speed is fastest observed 1-minute value when the direction is in tens of degrees.

Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1941	28.4	25.7	35.4	56.0	66.8	73.4	77.0	76.2	69.7	58.0	43.3	36.4	53.9
1942	25.6	26.8	42.0	56.1	61.9	71.9	76.3	73.4	64.8	55.2	41.4	24.6	51.7
#1943	24.3	30.6	35.4	48.8	58.8	73.2	76.1	75.6	61.9	53.8	36.4	26.2	49.9
1944	31.0	29.4	34.4	47.4	66.4	74.2	74.8	73.8	66.2	54.4	43.0	22.2	51.4
1945	19.8	29.6	49.4	51.6	55.6	66.4	72.4	74.0	65.4	51.5	39.6	21.6	49.8
1946	27.2	30.8	50.1	54.2	58.2	70.4	76.1	69.9	65.8	59.0	42.8	33.0	53.1
1947	28.5	21.5	32.7	49.8	56.8	68.0	72.4	82.0	68.2	63.2	35.0	31.3	50.8
1948	20.2	27.6	37.5	55.0	59.6	70.6	74.8	74.3	69.0	52.2	42.8	31.4	51.2
1949	26.5	27.5	39.0	50.6	64.4	74.7	78.4	74.5	60.4	57.4	42.3	33.3	52.4
1950	29.2	26.9	34.6	44.3	63.6	69.9	72.4	69.0	65.8	60.1	34.0	20.8	49.2
1951	24.3	27.9	34.7	47.9	63.9	68.4	73.8	71.7	62.3	55.2	33.3	26.1	49.1
1952	27.2	33.0	36.1	52.4	60.9	76.7	77.0	72.6	65.7	48.4	42.5	32.3	52.1
1953	28.4	32.9	39.9	47.0	61.7	75.8	77.0	75.1	67.2	59.0	43.0	31.1	53.2
1954	27.4	37.5	35.4	55.6	57.5	75.5	77.8	73.8	69.1	55.4	41.8	31.1	53.1
1955	24.5	28.1	37.8	58.7	64.3	68.4	80.9	77.8	67.6	54.3	35.6	26.3	52.0
1956	25.9	29.8	38.9	48.8	64.3	74.1	73.7	74.1	65.5	61.6	39.9	31.8	52.4
1957	18.6	34.5	38.3	51.1	61.1	71.7	77.6	75.2	64.8	51.6	39.5	34.1	51.5
1958	25.0	19.5	36.8	52.2	62.7	66.4	72.8	73.9	65.8	56.5	43.1	23.0	49.8
#1959	18.5	27.0	38.9	51.0	66.1	73.6	75.0	77.8	68.1	51.3	32.9	34.7	51.3
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	66.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
1975	27.5	26.1	33.8	47.0	64.6	72.1	73.8	74.7	60.9	55.3	44.9	30.2	50.9
1976	19.5	34.9	43.9	54.1	58.2	70.5	75.3	70.3	63.3	47.3	32.0	21.0	49.2
1977	8.6	27.0	44.6	57.1	68.6	70.2	78.2	71.4	66.4	51.3	40.3	22.8	50.5
1978	13.3	15.4	32.4	51.2	60.3	71.3	75.0	73.2	70.5	52.1	41.3	26.8	48.6
1979	9.4	14.7	37.9	47.7	60.5	71.2	73.0	72.5	65.6	52.6	38.0	31.8	47.9
1980	23.6	19.9	35.6	49.2	63.0	69.3	78.5	76.9	67.9	49.6	40.7	28.9	50.2
RECORD MEAN	23.8	27.6	38.5	51.0	61.6	71.3	75.6	73.7	66.3	54.5	40.3	28.4	51.0
MAX	31.9	35.9	47.8	61.3	72.4	82.1	86.5	84.4	77.3	65.4	49.0	36.0	60.8
MIN	15.7	19.3	29.2	40.6	50.7	60.4	64.6	62.9	55.2	43.5	31.5	20.8	41.2

Heating Degree Days

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1960-61	2	0	53	342	724	1278	1351	922	750	612	277	29	6340
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6569
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974-75	0	1	157	354	756	1081	1156	1085	959	534	92	17	6192
1975-76	13	1	171	306	596	1069	1404	868	648	351	221	5	5653
1976-77	0	9	106	556	981	1357	1747	1061	623	273	60	17	6790
1977-78	0	6	39	418	734	1301	1595	1383	1006	405	222	14	7123
1978-79	0	4	49	390	704	1174	1722	1403	833	510	194	10	6993
1979-80	3	19	70	401	804	1022	1279	1300	907	474	123	26	6428
1980-81	0	0	65	470	722	1112							

Cooling Degree Days

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817
1975	0	0	0	0	83	237	292	307	55	14	0	0	988
1976	0	0	0	28	14	176	326	180	62	14	0	0	800
1977	0	0	0	42	176	179	416	209	88	0	0	0	1110
1978	0	0	0	0	81	208	316	267	221	0	0	0	1093
1979	0	0	0	0	62	206	259	258	95	23	0	0	903
1980	0	0	0	6	70	160	425	378	156	1	0	0	1196

Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1941	3.11	1.01	1.48	5.04	6.52	3.38	1.66	2.79	5.32	10.80	2.00	1.46	44.57
1942	1.39	5.18	2.18	3.71	3.48	5.56	4.73	2.24	2.55	0.96	4.58	2.58	39.14
#1943	1.68	1.04	2.43	5.79	7.35	3.49	2.56	4.63	0.88	1.60	1.23	0.58	33.26
1944	0.57	1.74	5.92	8.32	4.12	2.72	1.73	2.86	4.49	1.23	1.33	0.90	35.93
1945	0.49	1.24	3.90	5.58	4.90	5.66	0.57	1.11	7.36	0.74	2.19	2.39	36.13
1946	2.63	0.58	4.22	1.55	5.06	7.41	0.79	3.40	2.32	3.88	5.29	1.76	38.89
1947	1.47	0.33	2.25	8.66	4.63	7.13	1.64	1.33	2.49	3.57	2.54	3.13	39.17
1948	1.25	1.70	3.94	1.81	2.55	3.25	8.18	0.81	1.72	1.18	1.13	2.61	30.13
1949	4.43	1.63	2.57	2.75	1.17	3.25	4.93	1.28	1.62	2.71	0.65	6.34	33.33
1950	4.09	2.75	1.73	8.49	1.45	5.90	4.13	1.67	3.49	0.61	2.04	0.95	37.30
1951	1.58	3.44	3.35	4.09	2.56	4.04	5.81	3.30	2.50	2.97	2.43	1.16	37.23
1952	1.51	1.59	4.10	3.88	3.90	5.68	2.44	4.73	1.77	0.85	3.09	1.89	35.43
1953	1.28	0.77	4.80	2.81	2.16	3.47	6.32	1.61	2.11	0.74	0.43	2.33	28.83
1954	0.89	2.68	3.41	5.47	2.59	6.35	3.82	8.56	0.93	3.27	2.19	1.80	41.96
1955	2.56	2.44	1.76	3.69	3.54	3.20	0.65	4.72	2.62	3.73	0.72	0.36	29.99
1956	0.25	1.11	0.54	3.12	5.20	0.98	4.67	4.47	0.41	0.67	2.30	1.90	25.62
1957	1.70	0.83	2.63	5.61	7.96	3.04	2.00	1.57	1.21	4.34	2.55	3.55	36.99
1958	1.30	0.57	0.39	2.65	3.32	4.86	8.42	3.35	3.15	0.93	2.02	0.49	31.45
1959	1.71	1.84	3.46	2.50	5.09	1.03	2.83	2.25	3.51	3.56	0.96	1.89	30.63
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
1975	2.59	2.85	1.73	3.92	5.19	3.90	4.26	5.62	2.74	3.63	2.75	2.04	41.22
1976	0.78	2.56	4.25	4.86	5.11	2.92	2.98	2.30	1.78	2.48	0.83	0.38	31.23
1977	1.22	0.95	4.41	1.24	3.54	2.06	3.43	7.28	6.26	4.00	1.77	2.25	38.41
1978	0.69	0.59	1.56	4.69	7.72	1.96	3.47	1.28	2.32	1.73	2.54	3.54	32.09
1979	2.48	1.37	4.42	4.48	1.96	1.77	4.81	0.87	0.03	1.70	2.76	2.33	28.98
1980	0.59	1.06	2.79	2.78	2.05	8.94	1.43	6.16	4.09	2.44	0.67	2.25	35.25
RECORD MEAN	1.79	1.78	2.80	3.52	3.92	3.88	3.76	3.08	3.72	2.46	2.25	2.01	34.97

Snowfall

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1941-42	0.0	0.0	0.0	0.0	3.5	3.6	3.5	8.9	0.7	T	0.0	0.0	20.2
#1942-43	0.0	0.0	1.0	0.0	3.2	9.5	14.2	6.5	7.7	0.2	0.0	0.0	42.3
1943-44	0.0	0.0	0.0	0.0	0.4	3.0	T	11.0	2.8	0.0	T	0.0	17.2
1944-45	0.0	0.0	0.0	0.0	0.3	8.3	7.0	3.0	2.7	T	0.0	0.0	21.3
1945-46	0.0	0.0	0.0	0.0	0.5	7.0	1.8	3.2	9.9	T	0.0	0.0	22.4
1946-47	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.3	6.8	T	0.0	0.0	22.3
1947-48	0.0	0.0	0.0	0.0	3.6	1.8	4.3	4.0	3.0	0.0	0.0	0.0	16.7
1948-49	0.0	0.0	0.0	0.0	T	2.0	3.2	3.8	0.1	1.2	0.0	0.0	10.3
1949-50	0.0	0.0	0.0	0.0	0.3	3.6	2.1	10.7	2.0	T	T	0.0	18.7
1950-51	0.0	0.0	0.0	T	4.8	8.3	4.8	5.4	10.2	2.1	0.0	0.0	35.6
1951-52	0.0	0.0	0.0	0.0	8.9	9.8	2.3	6.5	4.8	T	0.0	0.0	32.3
1952-53	0.0	0.0	0.0	0.0	T	2.4	5.2	0.4	3.2	2.6	0.0	0.0	13.8
1953-54	0.0	0.0	0.0	0.0	1.8	4.3	0.1	2.8	4.3	0.0	T	0.0	13.3
1954-55	0.0	0.0	0.0	T	4.0	8.2	12.0	3.1	5.6	0.0	0.0	0.0	32.9
1955-56	0.0	0.0	0.0	T	2.2	2.3	1.8	5.2	4.5	T	0.0	0.0	16.0
1956-57	0.0	0.0	0.0	0.0	2.8	9.1	10.0	0.5	6.2	1.6	0.0	0.0	32.2
1957-58	0.0	0.0	0.0	T	0.4	5.4	11.0	1.5	0.4	T	0.0	0.0	18.7
1958-59	0.0	0.0	0.0	0.0	1.0	5.0	11.6	2.6	4.2	T	0.0	0.0	24.4
1959-60	0.0	0.0	0.0	0.0	7.0	2.4	3.3	12.0	16.9	T	T	0.0	41.6
1960-61	0.0	0.0	0.0	0.0	0.3	4.6	3.5	5.3	0.7	1.2	0.0	0.0	15.6
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2	8.8	12.8	3.8	1.6	0.0	0.0	42.3
1975-76	0.0	0.0	0.0	0.0	8.1	1.4	8.6	2.5	2.0	0.0	0.0	0.0	22.6
1976-77	0.0	0.0	0.0	T	0.4	4.1	16.3	4.1	2.4	1.4	0.0	0.0	28.7
1977-78	0.0	0.0	0.0	0.0	6.4	21.7	7.0	7.0	5.0	0.0	0.0	0.0	47.1
1978-79	0.0	0.0	0.0	0.0	2.6	14.2	24.7	3.6	6.5	T	0.0	0.0	51.6
1979-80	0.0	0.0	0.0	0.0	0.8	0.1	3.7	11.3	5.3	6.3	0.0	0.0	27.5
1980-81	0.0	0.0	0.0	T	4.1	3.3							
RECORD MEAN	0.0	0.0	0.0	0.1	2.4	5.9	6.5	4.9	4.6	0.8	T	0.0	25.2

# Indicates a station move or relocation of instruments. See Station Location table.

Record mean values above are means through the current year for the period beginning in 1905 for temperature, 1856 for precipitation and 1944 for snowfall. Data are from cooperative and city locations through May 4, 1943.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above									Automatic Observing Equipment *	Remarks
						Sea level	Ground									* Type M = AMOS T = AUTOB
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Sunshine Switch	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer		
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40° 41'	89° 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40° 41'	89° 36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40° 41'	89° 36'	460										
Corner of Pecan & Meyer	1869	1872	9 blks. WSW	40° 41'	89° 36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40° 41'	89° 36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40° 41'	89° 36'	495										
701 Fourth Street	1889	1905	9 blks.NW	40° 42'	89° 36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40° 43'	89° 36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Bldg. Municipal Airport 5 miles WSW of P. O.	3/01/35	5/04/43		40° 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Bldg. Municipal Airport	5/04/43	10/01/59	Not moved	40° 40'	89° 41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg. Greater Peoria Airport	10/01/59	Present	2300 Ft WNW	40° 40'	89° 41'	652	20	6	6 d31	90	4 d32	4 d33	4 d31	5	NA	d - Relocated 12/22/76.

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I certify that this is an official publication of the National Oceanic and Atmospheric Administration, and is compiled from records on file at the National Climatic Center, Asheville, North Carolina 28801.

Daniel B. Mitchell
Director, National Climatic Center

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Local Climatological Data

Annual Summary With Comparative Data

1979

PEORIA, ILLINOIS

DEPARTMENT OF COMMERCE
UNITED STATES OF AMERICA

Narrative Climatological Summary

The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

The Airport Station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good.

Monthly mean temperatures range from 24° during January to 75° during July with an annual average of 51°. Illustrating the extreme conditions that have occurred, the single year of 1936 had 17 days with temperatures 100° or higher in July while the early part of that same year had 26 zero days in a 31-day period. 1936 also had the absolute maximum record of 113° set on July 15, but the absolute minimum of -27° dates back to January of 1884. June and September are usually the most pleasant months of the year. Then during October or first of November, "Indian Summer" is often experienced with an extended period of warm dry weather.

The average date for the last occurrence in the spring of temperatures as low as 32° is April 16 with the latest date occurring on May 25 in 1925. The average date for the first occurrence in the fall of temperatures as low as 32° is October 21 with the earliest date occurring on September 23 in 1974. The average growing season is 189 days with the longest growing season of record of 214 days occurring in 1931, while the shortest was 151 days in 1928 and in 1974.

The normal annual precipitation is 35.06 inches with individual years ranging from 23.18 inches in 1910 to 53.26 inches in 1858. Precipitation is normally heaviest during the growing season and at a minimum during midwinter. However, the wettest month on record was September in 1961 with 13.09 inches; and the driest was October of 1964 with only 0.03 of an inch. The maximum amount of rainfall occurring in any 24-hour period was 5.52 inches in May of 1927. Maximum amounts recorded for shorter periods are: for 5 minutes, 0.75 of an inch; for 15 minutes, 1.26 inches; for 30 minutes, 2.10 inches; and for 60 minutes, 2.60 inches.

Annual snowfall has ranged from only 6.0 inches in 1928 to 45.7 inches in 1926. The earliest snow of record occurred on September 25, 1942, when 1.0 inch fell; while traces have occurred as late in the spring as May 9. The heaviest single storm of record brought 18 inches during the last 2 days of February in 1900.

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Meteorological Data For The Current Year

Station: PEORIA, ILLINOIS
14842
GREATER PEORIA AIRPORT
Standard time used: CENTRAL
Latitude: 40° 40′ N
Longitude: 89° 41′ W
Elevation (ground) : 652 feet
Year: 1979

Month	Temperature °F							Degree days Base 65 °F		Precipitation in inches						Relative humidity, pct.				Wind						Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Number of days											Average station pressure mb
	Averages			Extremes				Heating	Cooling	Water equivalent			Snow, Ice pellets			Hour	Hour	Hour	Hour	Resultant		Average speed m.p.h.	Fastest mile					Sunrise to sunset			Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less.	Temperature °F				Elev. 662
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date			Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date	00 (Local time)	06	12	18	Direction	Speed m.p.h.		Speed m.p.h.	Direction	Date			Clear	Partly cloudy	Cloudy					Maximum (b) 90° and above	Maximum 32° and below	Minimum 32° and below	Minimum 0° and below	feet m.s.l.
JAN	18.0	.8	9.4	34	17	-22	15	1722	0	2.48	1.11	13	24.7	12.2	13	74	75	68	72	28	4.1	10.6	26	NW	24	51	7.4	7	2	22	16	6	0	2	0	29	31	18	995.9
FEB	23.1	6.3	14.7	42	23	-18	9	1403	0	1.37	0.50	22-23	3.6	2.7	8	76	76	71	72	03	1.4	10.7	27	N	25	50	7.1	6	4	18	8	1	2	5	0	19	28	10	998.6
MAR	46.1	29.7	37.9	70	18	6	11	833	0	4.42	1.16	18-19	6.5	4.6	9	79	82	75	76	22	3.3	11.5	32	W	13	30	8.2	3	5	23	15	2	2	4	0	2	18	0	992.2
APR	56.8	38.6	47.7	77	20	20	6	510	0	4.48	1.95	11	T	T	7	80	85	65	64	20	0.5	11.4	41	NW	5	46	7.6	4	6	20	14	0	4	1	0	0	6	0	992.9
MAY	72.7	48.2	60.5	87	8	34	26	194	62	1.96	0.61	11	0.0	0.0		75	80	53	53	19	2.5	10.5	30	NW	14	73	5.6	7	14	10	7	0	4	1	0	0	0	0	990.9
JUN	82.9	59.5	71.2	92	20	48	24	10	206	1.77	0.53	8	0.0	0.0		75	81	53	52	21	3.1	10.1	32	NW	10	74	5.8	8	10	12	8	0	8	2	6	0	0	0	992.6
JUL	83.7	62.3	73.0	90	23	51	18	3	259	4.81	2.39	24-25	0.0	0.0		83	89	59	62	10	2.2	6.9	32	N	13	57	6.5	5	11	15	9	0	7	2	3	0	0	0	993.2
AUG	83.1	61.9	72.5	94	7	45	15	19	258	0.87	0.37	18	0.0	0.0		87	92	63	68	18	2.9	8.1	26	NW	22	60	6.5	4	12	15	6	0	5	3	5	0	0	0	992.6
SEP	79.2	51.9	65.6	90	11	41	23	70	95	0.03	0.03	1	0.0	0.0		82	92	48	53	13	0.1	7.5	20	NW	14	85	3.3	18	8	4	1	0	0	2	1	0	0	0	994.2
OCT	64.0	41.2	52.6	86	21	25	26	401	23	1.70	0.41	1-2	0.0	0.0		78	86	58	62	22	3.7	10.6	30	S	31	59	6.5	6	10	15	10	0	2	3	0	0	7	0	989.2
NOV	47.2	28.7	38.0	71	19	15	11	804	0	2.76	1.34	20-21	0.8	0.3	27-28	82	86	65	72	23	4.4	9.6	24	NE	20	47	7.1	7	4	19	12	0	0	0	0	4	21	0	994.2
DEC	40.5	23.0	31.8	59	23	-2	17	1022	0	2.33	1.26	23-24	0.1	0.1	16	79	82	68	73	24	2.6	10.0	37	NW	7	53	6.8	7	7	17	6	0	1	6	0	8	27	1	996.3
YEAR	58.1	37.7	47.9	94	AUG 7	-22	JAN 15	6991	903	28.98	2.39	JUL 24-25	35.7	12.2	JAN 13	79	84	62	65	22	1.8	9.8	41	NW	APR 5	58	6.5	82	93	190	112	9	35	31	15	62	138	29	993.6

Normals, Means, And Extremes

Month	Temperatures °F							Normal Degree days Base 65 °F		Precipitation in inches											Relative humidity pct.				Wind					Pct. of possible sunshine	Mean sky cover, tenths, sunrise to sunset	Mean number of days											Average station pressure mb.
	Normal			Extremes				Heating	Cooling	Water equivalent							Snow, Ice pellets				Hour	Hour	Hour	Hour	Mean speed m.p.h.	Prevailing direction	Fastest mile					Sunrise to sunset			Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less	Temperatures °F				Elev.
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year			Normal	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Maximum monthly	Year	Maximum in 24 hrs.	Year	00 (Local time)	06	12	18			Speed m.p.h.	Direction	Year			Clear	Partly cloudy	Cloudy					Max. (b) 90° and above	Max. 32° and below	Min. 32° and below	Min. 0° and below	662 feet m.s.l.
(a)				40		40					40		40		36		36		36		20	20	20	20	36	9	36	36		36	36	36	36	36	40	36	36	36	20	20	20	20	7
J	31.9	15.7	23.8	68	1950	-25	1977	1277	0	1.82	8.11	1965	0.25	1956	4.45	1965	24.7	1979	12.2	1979	76	77	68	71	11.2	S	54	5	1950	46	6.8	8	5	18	9	2	1	3	0	19	29	8	995.3
F	36.0	19.3	27.7	72	1976	-18	1979	1044	0	1.50	5.18	1942	0.33	1947	1.92	1954	12.8	1975	7.6	1944	77	79	66	69	11.5	WNW	52	W	1953	50	6.7	7	5	16	8	1	1	3	0	12	26	3	994.4
M	46.5	28.1	37.3	81	1967	-10	1960	859	0	2.80	6.95	1973	0.39	1958	3.39	1944	16.9	1960	9.0	1946	77	81	64	66	12.3	WNW	56	W	1959	51	7.0	6	8	17	11	1	3	3	0	4	21	*	990.8
A	61.7	40.8	51.3	89	1952	17	1975	416	5	4.36	8.66	1947	0.71	1971	5.06	1950	4.6	1970	3.6	1970	71	78	56	55	12.2	S	66	SW	1947	55	6.8	6	8	16	12	*	5	1	0	*	6	0	991.7
M	72.3	50.7	61.5	92	1975	25	1966	180	71	3.87	7.96	1957	1.04	1964	3.62	1956	0.1	1966	0.1	1966	75	81	57	57	10.3	S	61	SW	1950	59	6.3	7	10	14	12	0	7	1	*	0	1	0	990.0
J	81.7	60.9	71.3	100	1971	39	1945	17	206	3.91	11.69	1974	0.98	1971	4.44	1974	0.0		0.0		76	81	56	56	9.2	S	66	N	1953	66	6.0	7	11	12	10	0	9	1	5	0	0	0	991.0
J	85.5	64.6	75.1	103	1940	47	1972	0	313	3.76	8.42	1958	0.57	1945	3.56	1953	0.0		0.0		81	85	58	59	8.0	S	75	NW	1953	68	5.4	9	12	10	9	0	8	1	7	0	0	0	992.4
A	84.0	62.9	73.5	101	1947	43	1950	8	271	3.07	8.61	1965	0.81	1974	4.32	1955	0.0		0.0		82	88	60	63	7.8	S	65	W	1956	67	5.4	10	10	11	8	0	7	1	4	0	0	0	993.6
S	76.4	54.6	65.5	100	1953	26	1942	70	85	3.55	13.09	1961	0.03	1979	4.15	1961	0.0		0.0		82	88	58	64	8.6	S	73	W	1965	65	5.1	12	8	10	9	0	5	1	2	0	*	0	993.9
O	65.9	44.0	55.0	90	1963	19	1972	327	17	2.51	10.80	1941	0.03	1964	3.70	1969	1.8	1967	1.8	1967	78	85	58	63	9.5	S	60	SW	1958	62	5.2	12	7	12	7	*	2	2	*	0	4	0	994.2
N	48.7	31.1	39.9	81	1950	-2	1977	753	0	2.02	5.29	1946	0.43	1953	2.45	1946	9.1	1974	7.2	1951	79	83	66	70	11.1	S	56	W	1964	45	6.7	7	7	16	9	1	1	2	0	2	17	*	994.0
D	35.7	20.3	28.0	71	1970	-18	1963	1147	0	1.89	6.34	1949	0.33	1962	3.38	1949	21.7	1977	10.2	1973	81	83	72	76	11.0	S	58	SW	1948	41	7.0	7	5	19	10	2	1	3	0	14	27	3	993.7
YR	60.5	41.1	50.8	103	JUL 1940	-25	JAN 1977	6098	968	35.06	13.09	SEP 1961	0.03	SEP 1979	5.06	APR 1950	24.7	JAN 1979	12.2	JAN 1979	78	82	61	64	10.2	S	75	NW	JUL 1953	57	6.2	98	96	171	112	8	49	21	18	51	132	14	992.9

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 113 in July 1936; lowest temperature -27 in January 1884; maximum precipitation in 24 hours 5.52 in May 1927; maximum monthly snowfall 26.5 in February 1900; maximum snowfall in 24 hours 18.0 in February 1900.

(a) Length of record, years, through the current year unless otherwise noted, based on January data.
(b) 70° and above at Alaskan stations.
* Less than one half.
T Trace.

NORMALS - Based on record for the 1941-1970 period.
DATE OF AN EXTREME - The most recent in cases of multiple occurrence.
PREVAILING WIND DIRECTION - Record through 1963.
WIND DIRECTION - Numerals indicate tens of degrees clockwise from true north. 00 indicates calm.
FASTEST MILE WIND - Speed is fastest observed 1-minute value when the direction is in tens of degrees.

Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1940	13.3	29.4	35.9	49.8	58.9	73.6	77.4	74.8	66.6	59.0	38.2	34.0	50.9
1941	28.4	25.7	35.4	56.0	66.8	73.4	77.0	76.2	69.7	58.0	43.3	36.4	53.9
1942	25.6	26.8	42.0	56.1	61.9	71.9	76.3	73.4	64.8	55.2	41.4	24.6	51.7
#1943	24.3	30.6	35.4	48.8	58.8	73.2	76.1	75.6	61.9	53.8	36.4	26.2	49.9
1944	31.0	29.4	34.4	47.4	66.4	74.2	74.8	73.8	66.2	54.4	43.0	22.2	51.4
1945	19.8	29.6	49.4	51.6	55.6	66.4	72.4	74.0	65.4	51.5	39.6	21.6	49.8
1946	27.2	30.8	50.1	54.2	58.2	70.4	76.1	69.9	65.8	59.0	42.8	33.0	53.1
1947	28.5	21.5	32.7	49.8	56.8	68.0	72.4	82.0	68.2	63.2	35.0	31.3	50.8
1948	20.2	27.6	37.5	55.0	59.6	70.6	74.8	74.3	69.0	52.2	42.8	31.4	51.2
1949	26.5	27.5	39.0	50.6	64.4	74.7	78.4	74.5	60.4	57.4	42.3	33.3	52.4
1950	29.2	26.9	34.6	44.3	63.6	69.9	72.4	69.0	65.8	60.1	34.0	20.8	49.2
1951	24.3	27.9	34.7	47.9	63.9	68.4	73.8	71.7	62.3	55.2	33.3	26.1	49.1
1952	27.2	33.0	36.1	52.4	60.9	76.7	77.0	72.6	65.7	48.4	42.5	32.3	52.1
1953	28.4	32.9	39.9	47.0	61.7	75.8	77.0	75.1	67.2	59.0	43.0	31.1	53.2
1954	27.4	37.5	35.4	55.6	57.5	75.5	77.8	73.8	69.1	55.4	41.8	31.1	53.1
1955	24.5	28.1	37.8	58.7	64.3	68.4	80.9	77.8	67.6	54.3	35.6	26.3	52.0
1956	25.9	29.8	38.9	48.8	64.3	74.1	73.7	74.1	65.5	61.6	39.9	31.8	52.4
1957	18.6	34.5	38.3	51.1	61.1	71.7	77.6	75.2	64.8	51.6	39.5	34.1	51.5
1958	25.0	19.5	36.8	52.2	62.7	66.4	72.8	73.9	65.8	56.5	43.1	23.0	49.8
#1959	18.5	27.0	38.9	51.0	66.1	73.6	75.0	77.8	68.1	51.3	32.9	34.7	51.3
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	66.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
1975	27.5	26.1	33.8	47.0	64.6	72.1	73.8	74.7	60.9	55.3	44.9	30.2	50.9
1976	19.5	34.9	43.9	54.1	58.2	70.5	75.3	70.3	63.3	47.3	32.0	21.0	49.2
1977	8.6	27.0	44.6	57.1	68.6	70.2	78.2	71.4	66.4	51.3	40.3	22.8	50.5
1978	13.3	15.4	32.4	51.2	60.3	71.3	75.0	73.2	70.5	52.1	41.3	26.8	48.6
1979	9.4	14.7	37.9	47.7	60.5	71.2	73.0	72.5	65.6	52.6	38.0	31.8	47.9
RECORD													
MEAN	23.8	27.7	38.5	51.0	61.6	71.3	75.6	73.7	66.2	54.5	40.3	28.4	51.1
MAX	31.9	36.0	47.8	61.4	72.4	82.1	86.5	84.4	77.3	65.4	49.0	36.0	60.9
MIN	15.7	19.4	29.2	40.6	50.7	60.4	64.6	62.9	55.1	43.6	31.5	20.8	41.2

Heating Degree Days

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
#1959-60	1	0	66	421	954	930	1171	1183	1308	374	233	18	6659
1960-61	2	0	53	342	724	1278	1351	922	750	612	277	29	6340
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6569
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	737	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1068	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1416	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974-75	0	1	157	354	756	1081	1156	1085	959	534	92	17	6192
1975-76	13	1	171	306	596	1069	1404	868	646	351	221	5	5653
1976-77	0	9	136	556	981	1357	1747	1061	623	273	60	17	6790
1977-78	0	6	39	418	734	1301	1595	1383	1006	405	222	14	7123
1978-79	0	4	49	390	704	1174	1722	1403	833	510	194	10	6993
1979-80	3	19	70	401	804	1022							

Cooling Degree Days

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817
1975	0	0	0	0	83	237	292	307	55	14	0	0	988
1976	0	0	0	28	14	176	326	180	62	14	0	0	800
1977	0	0	0	42	176	179	416	209	88	0	0	0	1110
1978	0	0	0	0	81	208	316	267	221	0	0	0	1093
1979	0	0	0	0	62	206	259	258	95	23	0	0	903

Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1940	0.58	0.61	2.01	3.83	3.30	1.24	0.84	3.60	0.92	3.25	2.06	1.75	23.99
1941	3.11	1.01	1.48	5.04	6.52	3.38	1.66	2.79	5.32	10.80	2.00	1.46	44.57
1942	1.39	5.18	2.18	3.71	3.48	5.56	4.73	2.24	2.55	0.96	4.58	2.58	39.14
#1943	1.68	1.04	2.43	5.79	7.35	3.49	2.56	4.63	0.88	1.60	1.23	0.58	33.26
1944	0.57	1.74	5.92	8.32	4.12	2.72	1.73	2.86	4.49	1.23	1.33	0.90	35.93
1945	0.49	1.24	3.90	5.58	4.90	5.66	0.57	1.11	7.36	0.74	2.19	2.39	36.13
1946	2.63	0.58	4.22	1.55	5.06	7.41	0.79	3.40	2.32	3.88	5.29	1.76	38.89
1947	1.47	0.33	2.25	8.66	4.63	7.13	1.64	1.33	2.49	3.57	2.54	3.13	39.17
1948	1.25	1.70	3.94	1.81	2.55	3.25	8.18	0.81	1.72	1.18	1.13	2.61	30.13
1949	4.43	1.63	2.57	2.75	1.17	3.25	4.93	1.28	1.62	2.71	0.65	6.34	33.33
1950	4.09	2.75	1.73	8.49	1.45	5.90	4.13	1.67	3.49	0.61	2.04	0.95	37.30
1951	1.58	3.44	3.35	4.09	2.56	4.04	5.81	3.30	2.50	2.97	2.43	1.16	37.23
1952	1.51	1.59	4.10	3.88	3.90	5.68	2.44	4.73	1.77	0.85	3.09	1.89	35.43
1953	1.28	0.77	4.80	2.81	2.16	3.47	6.32	1.61	2.11	0.74	0.43	2.33	28.83
1954	0.89	2.68	3.41	5.47	2.59	6.35	3.82	8.56	0.93	3.27	2.19	1.80	41.96
1955	2.56	2.44	1.76	3.69	3.54	3.20	0.65	4.72	2.62	3.73	0.72	0.36	29.99
1956	0.25	1.11	0.54	3.12	5.20	0.98	4.67	4.47	0.41	0.67	2.30	1.90	25.62
1957	1.70	0.83	2.63	5.61	7.96	3.04	2.00	1.57	1.21	4.34	2.55	3.55	36.99
1958	1.30	0.57	0.39	2.65	3.32	4.86	8.42	3.35	3.15	0.93	2.02	0.49	31.45
1959	1.71	1.84	3.46	2.50	5.09	1.03	2.83	2.25	3.51	3.56	0.96	1.89	30.63
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
1975	2.59	2.85	1.73	3.92	5.19	3.90	4.26	5.62	2.74	3.63	2.75	2.04	41.22
1976	0.78	2.56	4.25	4.86	5.11	2.92	2.98	2.30	1.78	2.48	0.83	0.38	31.23
1977	1.22	0.95	4.41	1.24	3.54	2.06	3.43	7.28	6.26	4.00	1.77	2.25	38.41
1978	0.69	0.59	1.56	4.69	7.72	1.96	3.47	1.28	2.32	1.73	2.54	3.54	32.09
1979	2.48	1.37	4.42	4.48	1.96	1.77	4.81	0.87	0.03	1.70	2.76	2.33	28.98
RECORD													
MEAN	1.80	1.79	2.80	3.53	3.94	3.84	3.77	3.06	3.71	2.46	2.26	2.01	34.97

Snowfall

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1940-41	0.0	0.0	0.0	0.0	1.3	0.3	9.1	3.3	5.1	0.0	0.0	0.0	19.1
1941-42	0.0	0.0	0.0	0.0	3.5	3.6	3.5	8.9	0.7	T	0.0	0.0	20.2
#1942-43	0.0	0.0	1.0	0.0	3.2	9.5	14.2	6.5	7.7	0.2	0.0	0.0	42.3
1943-44	0.0	0.0	0.0	0.0	0.4	3.0	T	11.0	2.8	0.0	T	0.0	17.2
1944-45	0.0	0.0	0.0	0.0	0.3	8.3	7.0	3.0	2.7	T	0.0	0.0	21.3
1945-46	0.0	0.0	0.0	0.0	0.5	7.0	1.8	3.2	9.9	T	0.0	0.0	22.4
1946-47	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.3	6.8	T	0.0	0.0	22.3
1947-48	0.0	0.0	0.0	0.0	3.6	1.8	4.3	4.0	3.0	0.0	0.0	0.0	16.7
1948-49	0.0	0.0	0.0	0.0	T	2.0	3.2	3.8	0.1	1.2	0.0	0.0	10.3
1949-50	0.0	0.0	0.0	0.0	0.3	3.6	2.1	10.7	2.0	T	T	0.0	18.7
1950-51	0.0	0.0	0.0	T	4.8	8.3	4.8	5.4	10.2	2.1	0.0	0.0	35.6
1951-52	0.0	0.0	0.0	0.0	8.9	9.8	2.3	6.5	4.8	T	0.0	0.0	32.3
1952-53	0.0	0.0	0.0	0.0	T	2.4	5.2	0.4	3.2	2.6	0.0	0.0	13.8
1953-54	0.0	0.0	0.0	0.0	1.8	4.3	0.1	2.8	4.3	0.0	T	0.0	13.3
1954-55	0.0	0.0	0.0	T	4.0	8.2	12.0	3.1	5.6	0.0	0.0	0.0	32.9
1955-56	0.0	0.0	0.0	T	2.2	2.3	1.8	5.2	4.5	T	0.0	0.0	16.0
1956-57	0.0	0.0	0.0	0.0	2.8	9.1	10.0	0.5	8.2	1.6	0.0	0.0	32.2
1957-58	0.0	0.0	0.0	T	0.4	5.4	11.0	1.5	0.4	T	0.0	0.0	18.7
1958-59	0.0	0.0	0.0	0.0	1.0	5.0	11.6	2.6	4.2	T	0.0	0.0	24.4
1959-60	0.0	0.0	0.0	0.0	7.0	2.4	3.3	12.0	15.9	T	T	0.0	41.6
1960-61	0.0	0.0	0.0	0.0	0.3	4.6	3.5	5.3	0.7	1.2	0.0	0.0	15.6
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2	8.8	12.8	3.8	1.6	0.0	0.0	42.3
1975-76	0.0	0.0	0.0	0.0	8.1	1.4	8.6	2.5	2.0	0.0	0.0	0.0	22.6
1976-77	0.0	0.0	0.0	T	0.4	4.1	16.3	4.1	2.4	1.4	0.0	0.0	28.7
1977-78	0.0	0.0	0.0	0.0	6.4	21.7	7.0	7.0	5.0	0.0	0.0	0.0	47.1
1978-79	0.0	0.0	0.0	0.0	2.6	14.2	24.7	3.6	6.5	T	0.0	0.0	51.6
1979-80	0.0	0.0	0.0	0.0	0.8	0.1							
RECORD													
MEAN	0.0	0.0	0.0	0.1	2.3	6.0	6.6	4.7	4.6	0.6	T	0.0	24.9

# Indicates a station move or relocation of instruments. See Station Location table.

Record mean values above are means through the current year for the period beginning in 1905 for temperature, 1856 for precipitation and 1944 for snowfall. Data are from cooperative and city locations through May 4, 1943.

STATION LOCATION

* Type
M = AMOS
T = AUTOB

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude	Longitude	Elevation above									Automatic Observing Equipment *	Remarks
				North	West	Sea level	Ground									
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Sunshine Switch	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer		
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40° 41'	89° 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40° 41'	89° 36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40° 41'	89° 36'	460										
Corner of Pecan & Meyer	1869	1872	9 blks. WSW	40° 41'	89° 36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40° 41'	89° 36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40° 41'	89° 36'	495										
701 Fourth Street	1889	1905	9 blks. NW	40° 42'	89° 36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40° 43'	89° 36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Bldg. Municipal Airport 5 miles WSW of P. O.	3/01/35	5/04/43		40° 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Bldg. Municipal Airport	5/04/43	10/01/59	Not moved	40° 40'	89° 41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg. Greater Peoria Airport	10/01/59	Present	2300 Ft WNW	40° 40'	89° 41'	652	20	6	6 d31	90	4 d32	4 d33	4 d31	5	NA	d - Relocated 12/22/76.

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Director, National Climatic Center

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Local Climatological Data

Annual Summary With Comparative Data

1978

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Narrative Climatological Summary

The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

The Airport Station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good.

Monthly mean temperatures range from 24° during January to 75° during July with an annual average of 51°. Illustrating the extreme conditions that have occurred, the single year of 1936 had 17 days with temperatures 100° or higher in July while the early part of that same year had 26 zero days in a 31-day period. 1936 also had the absolute maximum record of 113° set on July 15, but the absolute minimum of -27° dates back to January of 1884. June and September are usually the most pleasant months of the year. Then during October or first of November, "Indian Summer" is often experienced with an extended period of warm dry weather.

The average date for the last occurrence in the spring of temperatures as low as 32° is April 16 with the latest date occurring on May 25 in 1925. The average date for the first occurrence in the fall of temperatures as low as 32° is October 21 with the earliest date occurring on September 23 in 1974. The average growing season is 189 days with the longest growing season of record of 214 days occurring in 1931, while the shortest was 151 days in 1928 and in 1974.

The normal annual precipitation is 35.06 inches with individual years ranging from 23.18 inches in 1910 to 53.26 inches in 1858. Precipitation is normally heaviest during the growing season and at a minimum during midwinter. However, the wettest month on record was September in 1961 with 13.09 inches; and the driest was October of 1964 with only 0.03 of an inch. The maximum amount of rainfall occurring in any 24-hour period was 5.52 inches in May of 1927. Maximum amounts recorded for shorter periods are: for 5 minutes, 0.75 of an inch; for 15 minutes, 1.26 inches; for 30 minutes, 2.10 inches; and for 60 minutes, 2.60 inches.

Annual snowfall has ranged from only 6.0 inches in 1928 to 45.7 inches in 1926. The earliest snow of record occurred on September 25, 1942, when 1.0 inch fell; while traces have occurred as late in the spring as May 9. The heaviest single storm of record brought 18 inches during the last 2 days of February in 1900.

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Meteorological Data For The Current Year

Station: PEORIA, ILLINOIS # 14842 GREATER PEORIA AIRPORT Standard time used: CENTRAL Latitude: 40° 40′ N Longitude: 89° 41′ W Elevation (ground) : 652 feet Year: 1978

Month	Temperature °F							Degree days Base 65 °F		Precipitation in inches						Relative humidity, pct.				Wind						Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Number of days											Average station pressure mb
	Averages			Extremes						Water equivalent			Snow, Ice pellets			Hour	Hour	Hour	Hour	Resultant			Fastest mile					Sunrise to sunset							Temperature °F				Elev. 662
																																			Maximum		Minimum		
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date	Heating	Cooling	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date	00 (Local time)	06 (Local time)	12 (Local time)	18 (Local time)	Direction	Speed m.p.h.	Average speed m.p.h.	Speed m.p.h.	Direction	Date			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less.	(b) 90° and above	32° and below	32° and below	0° and below	feet m.s.l.
JAN	21.9	4.7	13.3	39	5	-8	10	1595	0	0.69	0.13	12-13	7.0	1.5	12-13	72	70	65	68	29	6.4	11.6	31	W	26	57	6.1	10	5	16	10	3	0	2	0	25	30	17	998.0
FEB	24.0	6.7	15.4	41	24	-7	22	1383	0	0.59	0.38	13	7.0	4.5	13	70	70	61	65	31	2.5	8.8	29	NW	25	47	6.7	8	4	16	8	1	0	1	0	27	28	8	998.6
MAR	40.8	23.9	32.4	80	31	-6	4	1006	0	1.56	0.67	24-25	5.0	3.3	2-3	74	75	61	66	02	1.3	10.7	28	NE	24	48	7.4	5	7	19	11	1	0	3	0	7	23	2	994.2
APR	61.8	40.6	51.2	82	3	34	22	405	0	4.69	1.66	9-10	0.0	0.0		62	67	49	48	07	0.7	11.7	34	SW	18	54	6.8	4	13	13	16	0	10	0	0	0	0	0	990.9
MAY	69.6	50.9	60.3	90	26	32	2	222	81	7.72	2.01	12-13	0.0	0.0		74	77	62	61	10	1.7	10.1	29	N	13	43	7.2	5	10	16	13	0	6	2	1	0	2	0	989.8
JUN	82.3	60.2	71.3	93	25	48	9	14	208	1.96	1.14	15	0.0	0.0		67	72	51	49	21	3.8	8.9	33	NW	17	65	5.9	8	8	14	9	0	10	0	5	0	0	0	992.6
JUL	84.7	65.3	75.0	94	21	53	31	0	316	3.47	1.73	9	0.0	0.0		73	75	58	60	19	1.8	8.2	34	N	9	58	6.2	7	12	12	8	0	8	1	7	0	0	0	991.5
AUG	84.3	62.1	73.2	92	15	50	4	4	267	1.28	0.61	17-18	0.0	0.0		83	88	57	59	19	2.3	7.3	26	SW	15	62	5.8	11	7	13	10	0	8	0	6	0	0	0	993.9
SEP	83.2	57.8	70.5	95	8	41	28	49	221	2.32	0.77	16-17	0.0	0.0		82	90	52	59	19	3.1	7.7	26	SW	20	77	4.1	17	7	6	7	0	5	0	8	0	0	0	993.6
OCT	63.3	40.9	52.1	80	21	30	24	390	0	1.73	0.62	2	0.0	0.0		83	89	56	65	22	3.0	9.3	27	NW	15	56	5.5	9	11	11	11	0	2	0	0	0	5	0	994.9
NOV	49.4	33.2	41.3	76	4	16	30	704	0	2.54	0.94	16-17	2.6	2.0	26	80	85	68	75	21	0.5	10.2	26	W	28	46	6.7	6	7	17	13	1	0	0	0	3	16	0	996.6
DEC	34.4	19.2	26.8	47	1	-8	10	1174	0	3.54	1.16	30-31	14.2	7.8	30-31	80	80	70	75	24	3.0	11.9	29	NW	16	41	6.9	8	5	18	14	4	2	4	0	9	30	2	993.2
YEAR	58.3	38.8	48.6	95	SEP 8	-8	DEC 10	6946	1093	32.09	2.01	MAY 12-13	35.8	7.8	DEC 30-31	75	78	59	63	23	1.4	9.7	34	N	JUL 9	55	6.3	98	96	171	130	10	51	13	27	71	134	29	994.0

Normals, Means, And Extremes

Month	Temperatures °F							Normal Degree days Base 65 °F		Precipitation in inches											Relative humidity pct.				Wind					Pct. of possible sunshine	Mean sky cover, tenths, sunrise to sunset	Mean number of days											Average station pressure mb.
	Normal			Extremes						Water equivalent							Snow, Ice pellets				Hour	Hour	Hour	Hour			Fastest mile					Sunrise to sunset							Temperatures °F				Elev.
																																							Max.		Min.		
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year	Heating	Cooling	Normal	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Maximum monthly	Year	Maximum in 24 hrs.	Year	00 (Local time)	06 (Local time)	12 (Local time)	18 (Local time)	Mean speed m.p.h.	Prevailing direction	Speed m.p.h.	Direction	Year			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less	(b) 90° and above	32° and below	32° and below	0° and below	662 feet m.s.l.
(a)				39		39					39		39		35		35		35		19	19	19	19	35	9	35	35		35	35	35	35	35	39	35	35	35	19	19	19	19	6
J	31.9	15.7	23.8	68	1950	-25	1977	1277	0	1.82	8.11	1965	0.25	1956	4.45	1965	16.3	1977	9.0	1967	76	77	68	71	11.2	S	54	S	1950	46	6.7	8	5	18	9	2	1	3	0	18	29	7	995.2
F	36.0	19.3	27.7	72	1976	-16	1951	1044	0	1.50	5.18	1942	0.33	1947	1.92	1954	12.8	1975	7.6	1944	77	79	65	69	11.5	WNW	52	W	1953	50	6.6	7	6	15	8	1	1	3	0	12	26	3	993.7
M	46.5	28.1	37.3	81	1967	-10	1960	859	0	2.80	6.95	1973	0.39	1958	3.39	1944	16.9	1960	9.0	1946	77	81	63	65	12.3	WNW	56	W	1959	52	6.9	6	8	17	11	1	3	3	0	4	21	*	990.6
A	61.7	40.8	51.3	89	1952	17	1975	416	5	4.36	8.66	1947	0.71	1971	5.06	1950	4.6	1970	3.6	1970	71	77	55	55	12.2	S	66	SW	1947	55	6.7	6	8	16	12	*	5	1	0	*	6	0	991.6
M	72.3	50.7	61.5	92	1975	25	1966	180	71	3.87	7.96	1957	1.04	1964	3.62	1956	0.1	1966	0.1	1966	75	81	57	57	10.3	S	61	SW	1950	59	6.3	7	10	14	12	0	7	1	*	0	1	0	989.9
J	81.7	60.9	71.3	100	1971	39	1945	17	206	3.91	11.69	1974	0.98	1971	4.44	1974	0.0		0.0		76	81	56	56	9.1	S	66	N	1953	66	6.0	7	11	12	10	0	9	1	5	0	0	0	990.7
J	85.5	64.6	75.1	103	1940	47	1972	0	313	3.76	8.42	1958	0.57	1945	3.56	1953	0.0		0.0		81	85	58	59	8.0	S	75	NW	1953	68	5.4	9	13	9	9	0	8	1	7	0	0	0	992.3
A	84.0	62.9	73.5	101	1947	43	1950	8	271	3.07	8.61	1965	0.81	1974	4.32	1955	0.0		0.0		82	87	60	63	7.8	S	65	W	1956	67	5.4	11	9	11	8	0	7	1	4	0	0	0	993.8
S	76.4	54.6	65.5	100	1953	26	1942	70	85	3.55	13.09	1961	0.41	1956	4.15	1961	0.0		0.0		82	88	59	64	8.7	S	73	W	1965	64	5.1	11	9	10	9	0	5	1	2	0	*	0	993.8
O	65.9	44.0	55.0	90	1963	19	1972	327	17	2.51	10.80	1941	0.03	1964	3.70	1969	1.8	1967	1.8	1967	78	85	57	63	9.5	S	60	SW	1958	62	5.1	12	8	11	7	*	2	2	*	0	4	0	995.1
N	48.7	31.1	39.9	81	1950	-2	1977	753	0	2.02	5.29	1946	0.43	1953	2.45	1946	9.1	1974	7.2	1951	79	83	66	70	11.2	S	56	W	1964	45	6.6	7	7	16	9	1	1	2	0	2	17	*	994.0
D	35.7	20.3	28.0	71	1970	-18	1963	1147	0	1.89	6.34	1949	0.33	1962	3.38	1949	21.7	1977	10.2	1973	81	83	72	76	11.0	S	58	SW	1948	40	7.0	7	5	19	10	2	1	3	0	14	27	3	993.2
YR	60.5	41.1	50.8	103	JUL 1940	-25	JAN 1977	6098	968	35.06	13.09	SEP 1961	0.03	OCT 1964	5.06	APR 1950	21.7	DEC 1977	10.2	DEC 1973	78	82	61	64	10.2	S	75	NW	JUL 1953	57	6.2	98	99	168	112	8	49	21	18	50	132	13	992.8

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 113 in July 1936; lowest temperature -27 in January 1884; maximum precipitation in 24 hours 5.52 in May 1927; maximum monthly snowfall 26.5 in February 1900; maximum snowfall in 24 hours 18.0 in February 1900.

(a) Length of record, years, through the current year unless otherwise noted, based on January data.
(b) 70° and above at Alaskan stations.
* Less than one half.
T Trace.

NORMALS - Based on record for the 1941-1970 period.
DATE OF AN EXTREME - The most recent in cases of multiple occurrence.
PREVAILING WIND DIRECTION - Record through 1963.
WIND DIRECTION - Numerals indicate tens of degrees clockwise from true north. 00 indicates calm.
FASTEST MILE WIND - Speed is fastest observed 1-minute value when the direction is in tens of degrees.

Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1939	32.2	27.9	41.0	47.7	66.2	73.0	76.2	73.2	71.7	57.1	41.2	33.9	53.4
1940	13.3	29.4	35.9	49.8	58.9	73.6	77.4	74.8	66.6	59.0	38.2	34.0	50.9
1941	28.4	25.7	35.4	56.0	66.8	73.4	77.0	76.2	69.7	58.0	43.3	36.4	53.9
1942	25.6	26.8	42.0	56.1	61.9	71.9	76.3	73.4	64.8	55.2	41.4	24.6	51.7
#1943	24.3	30.6	35.4	48.8	58.8	73.2	76.1	75.6	61.9	53.8	36.4	26.2	49.9
1944	31.0	29.4	34.4	47.4	66.4	74.2	74.8	73.8	66.2	54.4	43.0	22.2	51.4
1945	19.8	29.6	49.4	51.6	55.6	66.4	72.4	74.0	65.4	51.5	39.6	21.6	49.8
1946	27.2	30.8	50.1	54.2	58.2	70.4	76.1	69.9	65.8	59.0	42.8	33.0	53.1
1947	28.5	21.5	32.7	49.8	56.8	68.0	72.4	82.0	68.2	63.2	35.0	31.3	50.8
1948	20.2	27.6	37.5	55.0	59.6	70.6	74.8	74.3	69.0	52.2	42.8	31.4	51.2
1949	26.5	27.5	39.0	50.6	64.4	74.7	78.4	74.5	60.4	57.4	42.3	33.3	52.4
1950	29.2	26.9	34.6	44.3	63.6	69.9	72.4	69.0	65.8	60.1	34.0	20.8	49.2
1951	24.3	27.9	34.7	47.9	63.9	68.4	73.8	71.7	62.3	55.2	33.3	26.1	49.1
1952	27.2	33.0	36.1	52.4	60.9	76.7	77.0	72.6	65.7	48.4	42.5	32.3	52.1
1953	28.4	32.9	39.9	47.0	61.7	75.8	77.0	75.1	67.2	59.0	43.0	31.1	53.2
1954	27.4	37.5	35.4	55.6	57.5	75.5	77.8	73.8	69.1	55.4	41.8	31.1	53.1
1955	24.5	28.1	37.8	58.7	64.3	68.4	80.9	77.8	67.6	54.3	35.6	26.3	52.0
1956	25.9	29.8	38.9	48.8	64.3	74.1	73.7	74.1	65.5	61.6	39.9	31.8	52.4
1957	18.6	34.5	38.3	51.1	61.1	71.7	77.6	75.2	64.8	51.6	39.5	34.1	51.5
1958	25.0	19.5	36.8	52.2	62.7	66.4	72.8	73.9	65.8	56.5	43.1	23.0	49.8
#1959	18.5	27.0	38.9	51.0	66.1	73.6	75.0	77.8	68.1	51.3	32.9	34.7	51.3
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	66.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
1975	27.5	26.1	33.8	47.0	64.6	72.1	73.8	74.7	60.9	55.3	44.9	30.2	50.9
1976	19.5	34.9	43.9	54.1	58.2	70.5	75.3	70.3	63.3	47.3	32.0	21.0	49.2
1977	8.6	27.0	44.6	57.1	68.6	70.2	78.2	71.4	66.4	51.3	40.3	22.8	50.5
1978	13.3	15.4	32.4	51.2	60.3	71.3	75.0	73.2	70.5	52.1	41.3	26.8	48.6
RECORD MEAN	24.0	27.8	38.6	51.0	61.6	71.3	75.6	73.7	66.3	54.5	40.3	28.4	51.1
MAX	32.1	36.1	47.9	61.4	72.4	82.1	86.5	84.4	77.3	65.4	49.0	35.9	60.9
MIN	15.9	19.5	29.2	40.6	50.7	60.5	64.4	62.9	55.2	43.5	31.5	20.8	41.3

Heating Degree Days

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1958-59	1	11	72	274	652	1296	1435	1057	800	418	103	5	6124
#1959-60	1	0	66	421	954	930	1171	1183	1308	374	233	18	6659
1960-61	2	0	53	342	724	1278	1351	922	750	612	277	29	6340
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6569
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	358	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974-75	0	1	157	354	756	1081	1156	1085	959	534	92	17	6192
1975-76	13	1	171	306	596	1069	1404	868	648	351	221	5	5653
1976-77	0	9	106	556	981	1357	1747	1061	623	273	60	17	6790
1977-78	0	6	39	418	734	1301	1595	1383	1006	405	222	14	7123
1978-79	0	4	49	390	704	1174							

Cooling Degree Days

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817
1975	0	0	0	0	83	237	292	307	55	14	0	0	988
1976	0	0	0	28	14	176	326	180	62	14	0	0	800
1977	0	0	0	42	176	179	416	209	88	0	0	0	1110
1978	0	0	0	0	81	208	316	267	221	0	0	0	1093

Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1939	3.40	2.88	3.24	5.16	4.48	5.53	4.80	2.38	0.85	3.80	1.14	0.61	38.27
1940	0.58	0.61	2.01	3.83	3.30	1.24	0.84	3.60	0.92	3.25	2.06	1.75	23.99
1941	3.11	1.01	1.48	5.04	6.52	3.38	1.66	2.79	5.32	10.80	2.00	1.46	44.57
1942	1.39	5.18	2.18	3.71	3.48	5.56	4.73	2.24	2.55	0.96	4.58	2.58	39.14
#1943	1.68	1.04	2.43	5.79	7.35	3.49	2.56	4.63	0.88	1.60	1.23	0.58	33.26
1944	0.57	1.74	5.92	8.32	4.12	2.72	1.73	2.86	4.49	1.23	1.33	0.90	35.93
1945	0.49	1.24	3.90	5.58	4.90	5.66	0.57	1.11	7.36	0.74	2.19	2.39	36.13
1946	2.63	0.58	4.22	1.55	5.06	7.41	0.79	3.40	2.32	3.88	5.29	1.76	38.89
1947	1.47	0.33	2.25	8.66	4.63	7.13	1.64	1.33	2.49	3.57	2.54	3.13	39.17
1948	1.25	1.70	3.94	1.81	2.55	3.25	8.18	0.81	1.72	1.18	1.13	2.61	30.13
1949	4.43	1.63	2.57	2.75	1.17	3.25	4.93	1.28	1.62	2.71	0.65	6.34	33.33
1950	4.09	2.75	1.73	8.49	1.45	5.90	4.13	1.67	3.49	0.61	2.04	0.95	37.30
1951	1.58	3.44	3.35	4.09	2.56	4.04	5.81	3.30	2.50	2.97	2.43	1.16	37.23
1952	1.51	1.59	4.10	3.88	3.90	5.68	2.44	4.73	1.77	0.85	3.09	1.89	35.43
1953	1.28	0.77	4.80	2.81	2.16	3.47	6.32	1.61	2.11	0.74	0.43	2.33	28.83
1954	0.89	2.68	3.41	5.47	2.59	6.35	3.82	8.56	0.93	3.27	2.19	1.80	41.96
1955	2.56	2.44	1.76	3.69	3.54	3.20	0.65	4.72	2.62	3.73	0.72	0.36	29.99
1956	0.25	1.11	0.54	3.12	5.20	0.98	4.67	4.47	0.41	0.67	2.30	1.90	25.62
1957	1.70	0.83	2.63	5.61	7.96	3.04	2.00	1.57	1.21	4.34	2.55	3.55	36.99
1958	1.30	0.57	0.39	2.65	3.32	4.86	8.42	3.35	3.15	0.93	2.02	0.49	31.45
1959	1.71	1.84	3.46	2.50	5.09	1.03	2.83	2.25	3.51	3.56	0.96	1.89	30.63
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
1975	2.59	2.65	1.73	3.92	5.19	3.90	4.26	5.62	2.74	3.63	2.75	2.04	41.22
1976	0.78	2.56	4.25	4.86	5.11	2.92	2.98	2.30	1.78	2.48	0.83	0.38	31.23
1977	1.22	0.95	4.41	1.24	3.54	2.06	3.43	7.28	6.26	4.00	1.77	2.25	38.41
1978	0.69	0.59	1.56	4.69	7.72	1.96	3.47	1.28	2.32	1.73	2.54	3.54	32.09
RECORD MEAN	1.80	1.79	2.79	3.52	3.96	3.85	3.77	3.07	3.74	2.46	2.26	2.01	35.02

Snowfall

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1939-40	0.0	0.0	0.0	0.0	T	8.0	4.3	8.2	2.3	T	T	0.0	22.8
1940-41	0.0	0.0	0.0	0.0	1.3	0.3	9.1	3.3	5.1	0.0	0.0	0.0	19.1
1941-42	0.0	0.0	0.0	0.0	3.5	3.6	3.5	8.9	0.7	T	0.0	0.0	20.2
#1942-43	0.0	0.0	1.0	0.0	3.2	9.5	14.2	6.5	7.7	0.2	0.0	0.0	42.3
1943-44	0.0	0.0	0.0	0.0	0.4	3.0	T	11.0	2.8	0.0	T	0.0	17.2
1944-45	0.0	0.0	0.0	0.0	0.3	8.3	7.0	3.0	2.7	T	0.0	0.0	21.3
1945-46	0.0	0.0	0.0	0.0	0.5	7.0	1.8	3.2	9.9	T	0.0	0.0	22.4
1946-47	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.3	6.8	T	0.0	0.0	22.3
1947-48	0.0	0.0	0.0	0.0	3.6	1.8	4.3	4.0	3.0	0.0	0.0	0.0	16.7
1948-49	0.0	0.0	0.0	0.0	T	2.0	3.2	3.8	0.1	1.2	0.0	0.0	10.3
1949-50	0.0	0.0	0.0	0.0	0.3	3.6	2.1	10.7	2.0	T	T	0.0	18.7
1950-51	0.0	0.0	0.0	T	4.8	8.3	4.8	5.4	10.2	2.1	0.0	0.0	35.6
1951-52	0.0	0.0	0.0	0.0	8.9	9.8	2.3	6.5	4.8	T	0.0	0.0	32.3
1952-53	0.0	0.0	0.0	0.0	T	2.4	5.2	0.4	3.2	2.6	0.0	0.0	13.8
1953-54	0.0	0.0	0.0	0.0	1.8	4.3	0.1	2.8	4.3	0.0	T	0.0	13.3
1954-55	0.0	0.0	0.0	T	4.0	8.2	12.0	3.1	5.6	0.0	0.0	0.0	32.9
1955-56	0.0	0.0	0.0	T	2.2	2.3	1.8	5.2	4.5	T	0.0	0.0	16.0
1956-57	0.0	0.0	0.0	0.0	2.8	9.1	10.0	0.5	8.2	1.6	0.0	0.0	32.2
1957-58	0.0	0.0	0.0	T	0.4	5.4	11.0	1.5	0.4	T	0.0	0.0	18.7
1958-59	0.0	0.0	0.0	0.0	1.0	5.0	11.6	2.6	4.2	T	0.0	0.0	24.4
1959-60	0.0	0.0	0.0	0.0	7.0	2.4	3.3	12.0	16.9	T	T	0.0	41.6
1960-61	0.0	0.0	0.0	0.0	0.3	4.6	3.5	5.3	0.7	1.2	0.0	0.0	15.6
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2	8.8	12.8	3.8	1.6	0.0	0.0	42.3
1975-76	0.0	0.0	0.0	0.0	8.1	1.4	8.6	2.5	2.0	0.0	0.0	0.0	22.6
1976-77	0.0	0.0	0.0	T	0.4	4.1	16.3	4.1	2.4	1.4	0.0	0.0	28.7
1977-78	0.0	0.0	0.0	0.0	6.4	21.7	7.0	7.0	5.0	0.0	0.0	0.0	47.1
1978-79	0.0	0.0	0.0	0.0	2.6	14.2							
RECORD MEAN	0.0	0.0	0.0	0.1	2.4	6.2	6.0	4.7	4.6	0.6	T	0.0	24.6

# Indicates a station move or relocation of instruments. See Station Location table.

Record mean values above are means through the current year for the period beginning in 1905 for temperature, 1856 for precipitation and 1944 for snowfall. Data are from cooperative and city locations through May 4, 1943.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground									
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer		
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40° 41'	89° 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40° 41'	89° 36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40° 41'	89° 36'	460										
Corner of Pecan & Meyer	1869	1872	9 blks. WSW	40° 41'	89° 36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40° 41'	89° 36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40° 41'	89° 36'	495										
701 Fourth Street	1889	1905	9 blks. NW	40° 42'	89° 36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40° 43'	89° 36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Bldg. Municipal Airport 5 miles WSW of P. O.	3/01/35	5/04/43		40° 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Bldg. Municipal Airport	5/04/43	10/01/59	Not moved	40° 40'	89° 41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg. Greater Peoria Airport	10/01/59	Present	2300 Ft WNW	40° 40'	89° 41'	652	20	6	6 d31		4 d32	4 d33	4 d31	5		d - Relocated 12/22/76.

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Daniel B. Mitchell
Director, National Climatic Center

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Narrative Climatological Summary

The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

The Airport Station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good.

Monthly mean temperatures range from 24° during January to 75° during July with an annual average of 51°. Illustrating the extreme conditions that have occurred, the single year of 1936 had 17 days with temperatures 100° or higher in July while the early part of that same year had 26 zero days in a 31-day period. 1936 also had the absolute maximum record of 113° set on July 15, but the absolute minimum of -27° dates back to January of 1884. June and September are usually the most pleasant months of the year. Then during October or first of November, "Indian Summer" is often experienced with an extended period of warm dry weather.

The average date for the last occurrence in the spring of temperatures as low as 32° is April 16 with the latest date occurring on May 25 in 1925. The average date for the first occurrence in the fall of temperatures as low as 32° is October 21 with the earliest date occurring on September 23 in 1974. The average growing season is 189 days with the longest growing season of record of 214 days occurring in 1931, while the shortest was 151 days in 1928 and in 1974.

The normal annual precipitation is 35.06 inches with individual years ranging from 23.18 inches in 1910 to 53.26 inches in 1858. Precipitation is normally heaviest during the growing season and at a minimum during midwinter. However, the wettest month on record was September in 1961 with 13.09 inches; and the driest was October of 1964 with only 0.03 of an inch. The maximum amount of rainfall occurring in any 24-hour period was 5.52 inches in May of 1927. Maximum amounts recorded for shorter periods are: for 5 minutes, 0.75 of an inch; for 15 minutes, 1.26 inches; for 30 minutes, 2.10 inches; and for 60 minutes, 2.60 inches.

Annual snowfall has ranged from only 6.0 inches in 1928 to 45.7 inches in 1926. The earliest snow of record occurred on September 25, 1942, when 1.0 inch fell; while traces have occurred as late in the spring as May 9. The heaviest single storm of record brought 18 inches during the last 2 days of February in 1900.

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Meteorological Data For The Current Year

Station: PEORIA, ILLINOIS # 14842 GREATER PEORIA AIRPORT Standard time used: CENTRAL Latitude: 40° 40′ N Longitude: 89° 41′ W Elevation (ground): 652 feet Year: 1977

Month	Temperature °F							Degree days Base 65 °F		Precipitation in inches					
	Averages			Extremes						Water equivalent			Snow, Ice pellets		
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date	Heating	Cooling	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date
JAN	17.4	-.3	8.6	29	26	-25	17	1747	0	1.22	0.31	13-14	16.3	3.6	13
FEB	36.4	17.5	27.0	65	22	-13	7	1061	0	0.95	0.57	22-23	4.1	2.2	2
MAR	54.1	35.1	44.6	74	26	19	7	623	0	4.41	2.10	11-12	2.4	1.4	19-20
APR	69.1	45.0	57.1	86	17	27	6	273	42	1.24	0.44	21	1.4	1.2	6
MAY	80.9	56.2	68.6	91	26	34	10	60	176	3.54	1.90	4-5	0.0	0.0	
JUN	82.1	58.3	70.2	98	5	44	9	17	179	2.06	0.61	30	0.0	0.0	
JUL	90.2	66.2	78.2	100	14	50	27	0	416	3.43	1.77	16-17	0.0	0.0	
AUG	80.6	62.1	71.4	90	27	50	12	6	209	7.28	2.86	6-7	0.0	0.0	
SEP	76.1	56.7	66.4	86	7	45	28	39	88	6.26	1.53	17-18	0.0	0.0	
OCT	61.2	41.3	51.3	75	21	28	13	418	0	4.00	1.63	7-8	0.0	0.0	
NOV	47.6	32.9	40.3	71	2	-2	26	734	0	1.77	0.93	1-2	6.4	3.9	26-27
DEC	30.3	15.3	22.8	54	17	-10	10	1301	0	2.25	0.53	2-3	21.7	6.7	2-3
YEAR	60.5	40.5	50.5	100	JUL 14	-25	JAN 17	6279	1110	38.41	2.86	AUG 6-7	52.3	6.7	DEC 2-3

Month	Relative humidity, pct.				Wind						Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Number of days											Average station pressure mb
	Hour 00	Hour 06	Hour 12	Hour 18	Resultant		Average speed m.p.h.	Fastest mile					Sunrise to sunset			Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less.	Temperature °F				Elev. 662 feet m.s.l.
	(Local time)				Direction	Speed m.p.h.		Speed m.p.h.	Direction	Date			Clear	Partly cloudy	Cloudy					Maximum (b) 90° and above	Maximum 32° and below	Minimum 32° and below	Minimum 0° and below	
JAN	69	69	62	67	27	6.8	11.8	43	NW	28	53	6.3	9	5	17	13	5	0	2	0	31	31	19	994.6
FEB	74	75	60	65	25	5.0	11.0	32	W	24	63	6.1	8	7	13	7	1	1	3	0	8	26	4	991.5
MAR	68	71	53	56	19	5.2	13.2	44	SW	30	59	6.0	11	3	17	13	1	1	4	0	0	12	0	988.8
APR	63	74	47	46	20	2.9	11.4	35	SW	2	63	6.3	6	11	13	11	1	2	0	0	0	5	0	992.9
MAY	71	80	51	54	16	3.1	7.9	36	W	4	73	5.6	10	10	11	10	0	8	0	1	0	0	0	992.6
JUN	74	76	54	52	17	1.0	9.2	29	NW	1	66	6.9	4	11	15	8	0	8	0	6	0	0	0	990.9
JUL	79	84	53	54	18	3.1	8.9	32	NW	30	76	4.7	11	12	8	11	0	9	0	15	0	0	0	993.6
AUG	84	87	67	68	19	2.6	8.3	25	N	7	57	6.9	4	12	15	13	0	12	2	1	0	0	0	992.6
SEP	84	88	66	69	18	1.5	8.2	31	SW	17	53	6.8	5	9	16	12	0	12	0	0	0	0	0	991.5
OCT	80	84	62	68	22	1.3	10.2	31	SE	7	53	6.1	9	6	16	11	0	3	3	0	0	3	0	994.2
NOV	75	80	67	72	22	1.9	11.5	35	W	17	35	7.7	3	8	19	15	2	2	4	0	6	15	1	992.9
DEC	79	78	71	75	23	4.4	12.0	30	NW	24	45	7.1	4	11	16	9	8	0	4	0	15	28	6	990.5
YEAR	75	79	59	62	21	2.6	10.3	44	SW	MAR 30	59	6.4	84	105	176	133	18	58	22	23	60	120	30	992.2

Normals, Means, And Extremes

Month	Temperatures °F							Normal Degree days Base 65 °F		Precipitation in inches										
	Normal			Extremes						Water equivalent							Snow, Ice pellets			
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year	Heating	Cooling	Normal	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Maximum monthly	Year	Maximum in 24 hrs.	Year
(a)				38		38					38		38		34		34		34	
J	31.9	15.7	23.8	68	1950	-25	1977	1277	0	1.82	8.11	1965	0.25	1956	4.45	1965	16.3	1977	9.0	1967
F	36.0	19.3	27.7	72	1976	-16	1951	1044	0	1.50	5.18	1942	0.33	1947	1.92	1954	12.8	1975	7.6	1944
M	46.5	28.1	37.3	81	1967	-10	1960	859	0	2.80	6.95	1973	0.39	1958	3.39	1944	16.9	1960	9.0	1946
A	61.7	40.8	51.3	89	1952	17	1975	416	5	4.36	8.66	1947	0.71	1971	5.06	1950	4.6	1970	3.6	1970
M	72.3	50.7	61.5	92	1975	25	1966	180	71	3.87	7.96	1957	1.04	1964	3.62	1956	0.1	1966	0.1	1966
J	81.7	60.9	71.3	100	1971	39	1945	17	206	3.91	11.69	1974	0.98	1971	4.44	1974	0.0		0.0	
J	85.5	64.6	75.1	103	1940	47	1972	0	313	3.76	8.42	1958	0.57	1945	3.56	1953	0.0		0.0	
A	84.0	62.9	73.5	101	1947	43	1950	8	271	3.07	8.61	1965	0.81	1974	4.32	1955	0.0		0.0	
S	76.4	54.6	65.5	100	1953	26	1942	70	85	3.55	13.09	1961	0.41	1956	4.15	1961	0.0		0.0	
O	65.9	44.0	55.0	90	1963	19	1972	327	17	2.51	10.80	1941	0.03	1964	3.70	1969	1.8	1967	1.8	1967
N	48.7	31.1	39.9	81	1950	-2	1977	753	0	2.02	5.29	1946	0.43	1953	2.45	1946	9.1	1974	7.2	1951
D	35.7	20.3	28.0	71	1970	-18	1963	1147	0	1.89	6.34	1949	0.33	1962	3.38	1949	21.7	1977	10.2	1973
YR	60.5	41.1	50.8	103	JUL 1940	-25	JAN 1977	6098	968	35.06	13.09	SEP 1961	0.03	OCT 1964	5.06	APR 1950	21.7	DEC 1977	10.2	DEC 1973

Month	Relative humidity pct.				Wind					Pct. of possible sunshine	Mean sky cover, tenths, sunrise to sunset	Mean number of days											Average station pressure mb.
	Hour 00	Hour 06	Hour 12	Hour 18	Mean speed m.p.h.	Prevailing direction	Fastest mile					Sunrise to sunset			Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less	Temperatures °F				Elev. 662 feet m.s.l.
	(Local time)						Speed m.p.h.	Direction	Year			Clear	Partly cloudy	Cloudy					Max. (b) 90° and above	Max. 32°and below	Min. 32° and below	Min. 0° and below	
(a)	18	18	18	18	34	9	34	34		34	34	34	34	34	38	34	34	34	18	18	18	18	5
J	77	78	68	72	11.2	S	54	S	1950	46	6.8	8	5	18	9	2	1	3	0	18	29	7	994.7
F	78	79	66	70	11.6	WNW	52	W	1953	50	6.6	7	6	15	8	2	1	3	0	11	26	2	992.8
M	77	81	63	65	12.3	WNW	56	W	1959	52	6.9	6	8	17	11	1	3	3	0	4	21	*	989.9
A	71	78	56	55	12.2	S	66	SW	1947	55	6.7	6	8	16	12	*	5	1	0	*	6	0	991.7
M	75	81	57	56	10.3	S	61	SW	1950	59	6.3	7	10	14	12	0	7	1	*	0	1	0	989.9
J	76	81	56	56	9.2	S	66	N	1953	66	6.1	7	11	12	10	0	9	1	5	0	0	0	990.3
J	81	86	58	59	8.0	S	75	NW	1953	69	5.4	9	13	9	9	0	8	1	7	0	0	0	992.4
A	82	87	60	63	7.8	S	65	W	1956	67	5.4	11	9	11	8	0	7	1	4	0	0	0	993.8
S	82	87	59	65	8.7	S	73	W	1965	64	5.1	11	9	10	9	0	5	1	1	0	*	0	993.8
O	77	84	58	62	9.5	S	60	SW	1958	62	5.1	12	8	11	7	*	2	2	*	0	4	0	995.1
N	79	83	66	70	11.2	S	56	W	1964	45	6.6	7	7	16	9	1	1	2	0	2	17	*	993.5
D	81	83	72	76	11.0	S	58	SW	1948	40	7.0	7	5	19	10	2	1	3	0	15	27	3	993.2
YR	78	82	61	64	10.3	S	75	NW	JUL 1953	58	6.2	98	99	168	112	8	49	21	17	49	131	12	992.6

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 113 in July 1936; lowest temperature -27 in January 1884; maximum precipitation in 24 hours 5.52 in May 1927; maximum monthly snowfall 26.5 in February 1900; maximum snowfall in 24 hours 18.0 in February 1900.

(a) Length of record, years, through the current year unless otherwise noted, based on January data.
(b) 70° and above at Alaskan stations.
* Less than one half.
T Trace.

NORMALS - Based on record for the 1941-1970 period.
DATE OF AN EXTREME - The most recent in cases of multiple occurrence.
PREVAILING WIND DIRECTION - Record through 1963.
WIND DIRECTION - Numerals indicate tens of degrees clockwise from true north. 00 indicates calm.
FASTEST MILE WIND - Speed is fastest observed 1-minute value when the direction is in tens of degrees.

Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1938	26.2	36.2	47.4	53.3	62.2	69.9	76.5	77.2	68.1	60.3	43.0	30.0	54.2
1939	32.2	27.5	41.0	47.7	66.2	73.0	76.2	73.2	71.7	57.1	41.2	33.9	53.4
1940	13.3	29.4	35.9	49.8	58.9	73.6	77.4	74.8	66.6	59.0	38.2	34.0	50.9
1941	28.4	25.7	35.4	56.0	66.8	73.4	77.0	76.2	69.7	58.0	43.3	36.4	53.9
1942	25.6	26.8	42.0	56.1	61.9	71.9	76.3	73.4	64.8	55.2	41.4	24.6	51.7
#1943	24.3	30.6	35.4	48.8	58.8	73.2	76.1	75.6	61.9	53.8	36.4	26.2	49.9
1944	31.0	29.4	34.4	47.4	66.4	74.2	74.8	73.8	66.2	54.4	43.0	22.2	51.4
1945	19.8	29.6	49.4	51.6	55.6	66.4	72.4	74.0	65.4	51.5	39.6	21.6	49.8
1946	27.2	30.8	50.1	54.2	58.2	70.4	76.1	69.9	65.8	59.0	42.8	33.0	53.1
1947	28.5	21.5	32.7	49.8	56.8	68.0	72.4	82.0	68.2	63.2	35.0	31.3	50.8
1948	20.2	27.6	37.5	55.0	59.6	70.6	74.8	74.3	69.[illegible]	52.2	42.8	31.4	51.2
1949	26.5	27.5	39.0	50.6	64.4	74.7	78.4	74.5	60.4	57.4	42.3	33.3	52.4
1950	29.2	26.9	34.6	44.3	63.6	69.9	72.4	69.0	65.8	60.1	34.0	20.8	49.2
1951	24.3	27.9	34.7	47.9	63.9	68.4	73.8	71.7	62.3	55.2	33.3	26.1	49.1
1952	27.2	33.0	36.1	52.4	60.9	76.7	77.0	72.6	65.7	48.4	42.5	32.3	52.1
1953	28.4	32.9	39.9	47.0	61.7	75.8	77.0	75.1	67.2	59.0	43.0	31.1	53.2
1954	27.4	37.5	35.4	55.6	57.5	75.5	77.8	73.8	69.1	55.4	41.8	31.1	53.1
1955	24.5	28.1	37.8	58.7	64.3	68.4	80.9	77.8	67.6	54.3	35.6	26.3	52.0
1956	25.9	29.8	38.9	48.8	64.3	74.1	73.7	74.1	65.5	61.6	39.9	31.8	52.4
1957	18.6	34.5	38.3	51.1	61.1	71.7	77.6	75.2	64.8	51.6	39.5	34.1	51.5
1958	25.0	19.5	36.8	52.2	62.7	66.4	72.8	73.9	65.8	56.5	43.1	23.0	49.8
#1959	18.5	27.0	38.9	51.0	66.1	73.6	75.0	77.8	68.1	51.3	32.9	34.7	51.3
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	66.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
1975	27.5	26.1	33.8	47.0	64.6	72.1	73.8	74.7	60.9	55.3	44.9	30.2	50.9
1976	19.5	34.9	43.9	54.1	58.2	70.5	75.3	70.3	63.3	47.3	32.0	21.0	49.2
1977	8.6	27.0	44.6	57.1	68.6	70.2	78.2	71.4	66.4	51.3	40.3	22.8	50.5
RECORD													
MEAN	24.2	28.0	38.6	51.0	61.6	71.3	75.6	73.7	66.2	54.6	40.3	28.4	51.1
MAX	32.3	36.3	47.9	61.4	72.4	82.1	86.5	84.4	77.2	65.5	49.0	36.0	60.9
MIN	16.0	19.7	29.3	40.6	50.7	60.5	64.6	62.9	55.1	43.6	31.5	20.8	41.3

Heating Degree Days

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1957-58	0	0	70	408	758	949	1233	1271	868	381	114	35	6087
1958-59	1	11	72	274	652	1296	1435	1057	800	418	103	5	6124
#1959-60	1	0	66	421	954	930	1171	1183	1308	374	233	18	6659
1960-61	2	0	53	342	724	1278	1351	922	750	612	277	29	6340
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6569
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974-75	0	1	157	354	756	1081	1156	1085	959	534	92	17	6192
1975-76	13	1	171	306	596	1069	1404	868	648	351	221	5	5653
1976-77	0	9	106	556	981	1357	1747	1061	623	273	60	17	6790
1977-78	0	6	39	418	734	1301							

Cooling Degree Days

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817
1975	0	0	0	0	83	237	292	307	55	14	0	0	988
1976	0	0	0	28	14	176	326	180	62	14	0	0	800
1977	0	0	0	42	176	179	416	209	88	0	0	0	1110

Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1938	4.32	2.21	4.42	3.80	5.72	6.76	6.34	3.01	2.12	0.84	1.65	1.43	42.62
1939	3.40	2.88	3.24	5.16	4.48	5.53	4.80	2.38	0.85	3.80	1.14	0.61	38.27
1940	0.58	0.61	2.01	3.83	3.30	1.24	0.84	3.60	0.92	3.25	2.06	1.75	23.99
1941	3.11	1.01	1.48	5.04	6.52	3.38	1.66	2.79	5.32	10.80	2.00	1.46	44.57
1942	1.39	5.18	2.18	3.71	3.48	5.56	4.73	2.24	2.55	0.96	4.58	2.58	39.14
#1943	1.68	1.04	2.43	5.79	7.35	3.49	2.56	4.63	0.88	1.60	1.23	0.58	33.26
1944	0.57	1.74	5.92	8.32	4.12	2.72	1.73	2.86	4.49	1.23	1.33	0.90	35.93
1945	0.49	1.24	3.90	5.58	4.90	5.66	0.57	1.11	7.36	0.74	2.19	2.39	36.13
1946	2.63	0.58	4.22	1.55	5.06	7.41	0.79	3.40	2.32	3.88	5.29	1.76	38.89
1947	1.47	0.33	2.25	8.66	4.63	7.13	1.64	1.33	2.49	3.57	2.54	3.13	39.17
1948	1.25	1.70	3.94	1.81	2.55	3.25	8.18	0.81	1.72	1.18	1.13	2.61	30.13
1949	4.43	1.63	2.57	2.75	1.17	3.25	4.93	1.28	1.62	2.71	0.65	6.34	33.33
1950	4.09	2.75	1.73	8.49	1.45	5.90	4.13	1.67	3.49	0.61	2.04	0.95	37.30
1951	1.58	3.44	3.35	4.09	2.56	4.04	5.81	3.30	2.50	2.97	2.43	1.16	37.23
1952	1.51	1.59	4.10	3.88	3.90	5.68	2.44	4.73	1.77	0.85	3.09	1.89	35.43
1953	1.28	0.77	4.80	2.81	2.16	3.47	6.32	1.61	2.11	0.74	0.43	2.33	28.83
1954	0.89	2.68	3.41	5.47	2.59	6.35	3.82	8.56	0.93	3.27	2.19	1.80	41.96
1955	2.56	2.44	1.76	3.69	3.54	3.20	0.65	4.72	2.62	3.73	0.72	0.36	29.99
1956	0.25	1.11	0.54	3.12	5.20	0.98	4.67	4.47	0.41	0.67	2.30	1.90	25.62
1957	1.70	0.83	2.63	5.61	7.96	3.04	2.00	1.57	1.21	4.34	2.55	3.55	36.99
1958	1.30	0.57	0.39	2.65	3.32	4.86	8.42	3.35	3.15	0.93	2.02	0.49	31.45
1959	1.71	1.84	3.46	2.50	5.09	1.03	2.83	2.25	3.51	3.56	0.96	1.89	30.63
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
1975	2.59	2.85	1.73	3.92	5.19	3.90	4.26	5.62	2.74	3.63	2.75	2.04	41.22
1976	0.78	2.56	4.25	4.86	5.11	2.92	2.98	2.30	1.78	2.48	0.83	0.38	31.23
1977	1.22	0.95	4.41	1.24	3.54	2.06	3.43	7.28	6.26	4.00	1.77	2.25	38.41
RECORD MEAN	1.80	1.80	2.80	3.51	3.93	3.87	3.77	3.09	3.75	2.47	2.26	1.99	35.04

Snowfall

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1938-39	0.0	0.0	0.0	T	0.6	0.9	13.6	3.3	T	T	0.0	0.0	18.4
1939-40	0.0	0.0	0.0	0.0	T	8.0	4.3	8.2	2.3	T	T	0.0	22.8
1940-41	0.0	0.0	0.0	0.0	1.3	0.3	9.1	3.3	5.1	0.0	0.0	0.0	19.1
1941-42	0.0	0.0	0.0	0.0	3.5	3.6	3.5	8.9	0.7	T	0.0	0.0	20.2
#1942-43	0.0	0.0	1.0	0.0	3.2	9.5	14.2	6.5	7.7	0.2	0.0	0.0	42.3
1943-44	0.0	0.0	0.0	0.0	0.4	3.0	T	11.0	2.8	0.0	T	0.0	17.2
1944-45	0.0	0.0	0.0	0.0	0.3	8.3	7.0	3.0	2.7	T	0.0	0.0	21.3
1945-46	0.0	0.0	0.0	0.0	0.5	7.0	1.8	3.2	9.9	T	0.0	0.0	22.4
1946-47	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.3	6.8	T	0.0	0.0	22.3
1947-48	0.0	0.0	0.0	0.0	3.6	1.8	4.3	4.0	3.0	0.0	0.0	0.0	16.7
1948-49	0.0	0.0	0.0	0.0	T	2.0	3.2	3.8	0.1	1.2	0.0	0.0	10.3
1949-50	0.0	0.0	0.0	0.0	0.3	3.6	2.1	10.7	2.0	T	T	0.0	18.7
1950-51	0.0	0.0	0.0	T	4.8	8.3	4.8	5.4	10.2	2.1	0.0	0.0	35.6
1951-52	0.0	0.0	0.0	0.0	8.9	9.8	2.3	6.5	4.8	T	0.0	0.0	32.3
1952-53	0.0	0.0	0.0	0.0	T	2.4	5.2	0.4	3.2	2.6	0.0	0.0	13.8
1953-54	0.0	0.0	0.0	0.0	1.8	4.3	0.1	2.8	4.3	0.0	T	0.0	13.3
1954-55	0.0	0.0	0.0	T	4.0	8.2	12.0	3.1	5.6	0.0	0.0	0.0	32.9
1955-56	0.0	0.0	0.0	T	2.2	2.3	1.8	5.2	4.5	T	0.0	0.0	16.0
1956-57	0.0	0.0	0.0	0.0	2.8	9.1	10.0	0.5	8.2	1.6	0.0	0.0	32.2
1957-58	0.0	0.0	0.0	T	0.4	5.4	11.0	1.5	0.4	T	0.0	0.0	18.7
1958-59	0.0	0.0	0.0	0.0	1.0	5.0	11.6	2.6	4.2	T	0.0	0.0	24.4
1959-60	0.0	0.0	0.0	0.0	7.0	2.4	3.3	12.0	16.9	T	T	0.0	41.6
1960-61	0.0	0.0	0.0	0.0	0.3	4.6	3.5	5.3	0.7	1.2	0.0	0.0	15.6
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2	8.8	12.8	3.8	1.6	0.0	0.0	42.3
1975-76	0.0	0.0	0.0	0.0	8.1	1.4	8.6	2.5	2.0	0.0	0.0	0.0	22.6
1976-77	0.0	0.0	0.0	T	0.4	4.1	16.3	4.1	2.4	1.4	0.0	0.0	28.7
1977-78	0.0	0.0	0.0	0.0	6.4	21.7							
RECORD MEAN	0.0	0.0	0.0	0.1	2.4	5.9	6.0	4.7	4.6	0.6	T	0.0	24.3

# Indicates a station move or relocation of instruments. See Station Location table.

Record mean values above are means through the current year for the period beginning in 1905 for temperature, 1856 for precipitation and 1944 for snowfall. Data are from cooperative and city locations through May 4, 1943.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground								Sea level	
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyranometer	
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40° 41'	89° 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40° 41'	89° 36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40° 41'	89° 36'	460										
Corner of Pecan & Meyer	1869	1872	9 blks. WSW	40° 41'	89° 36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40° 41'	89° 36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40° 41'	89° 36'	495										
701 Fourth Street	1889	1905	9 blks. NW	40° 42'	89° 36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40° 43'	89° 36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Bldg. Municipal Airport 5 miles WSW of P. O.	3/01/35	5/04/43		40° 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Bldg. Municipal Airport	5/04/43	10/01/59	Not moved	40° 40'	89° 41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg. Greater Peoria Airport	10/01/59	Present	2300 Ft WNW	40° 40'	89° 41'	652	20	6	6 d31		4 d32	4 d33	4 d31	5		d - Relocated 12/22/76.

Requests for additional climatic information should be addressed to: Director, National Climatic Center, Federal Building, Asheville, N. C. 28801

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Daniel B. Mitchell
Director, National Climatic Center

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Climatological Data

ummary With Comparative Data

DEPARTMENT OF COMMERCE
UNITED STATES OF AMERICA

# 1976

PEORIA, ILLINOIS

Narrative Climatological Summary

The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

The Airport Station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good.

Monthly mean temperatures range from 24° during January to 75° during July with an annual average of 51°. Illustrating the extreme conditions that have occurred, the single year of 1936 had 17 days with temperatures 100° or higher in July while the early part of that same year had 26 zero days in a 31-day period. 1936 also had the absolute maximum record of 113° set on July 15, but the absolute minimum of -27° dates back to January of 1884. June and September are usually the most pleasant months of the year. Then during October or first of November, "Indian Summer" is often experienced with an extended period of warm dry weather.

The average date for the last occurrence in the spring of temperatures as low as 32° is April 16 with the latest date occurring on May 25 in 1925. The average date for the first occurrence in the fall of temperatures as low as 32° is October 21 with the earliest date occurring on September 23 in 1974. The average growing season is 189 days with the longest growing season of record of 214 days occurring in 1931, while the shortest was 151 days in 1928 and in 1974.

The normal annual precipitation is 35.06 inches with individual years ranging from 23.18 inches in 1910 to 53.26 inches in 1858. Precipitation is normally heaviest during the growing season and at a minimum during midwinter. However, the wettest month on record was September in 1961 with 13.09 inches; and the driest was October of 1964 with only 0.03 of an inch. The maximum amount of rainfall occurring in any 24-hour period was 5.52 inches in May of 1927. Maximum amounts recorded for shorter periods are: for 5 minutes, 0.75 of an inch; for 15 minutes, 1.26 inches; for 30 minutes, 2.10 inches; and for 60 minutes, 2.60 inches.

Annual snowfall has ranged from only 6.0 inches in 1928 to 45.7 inches in 1926. The earliest snow of record occurred on September 25, 1942, when 1.0 inch fell; while traces have occurred as late in the spring as May 9. The heaviest single storm of record brought 18 inches during the last 2 days of February in 1900.

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Meteorological Data For The Current Year

Station: PEORIA, ILLINOIS # 14842 GREATER PEORIA AIRPORT Standard time used: CENTRAL Latitude: 40° 40′ N Longitude: 89° 41′ W Elevation (ground): 652 feet Year: 1976

Month	Temperature °F, Averages: Daily maximum	Daily minimum	Monthly	Extremes: Highest	Date	Lowest	Date	Degree days Base 65 °F: Heating	Cooling	Precipitation in inches, Water equivalent: Total	Greatest in 24 hrs.	Date	Snow, Ice pellets: Total	Greatest in 24 hrs.	Date	Relative humidity, pct. Hour 00 (Local time)	Hour 06	Hour 12	Hour 18	Wind, Resultant: Direction	Speed m.p.h.	Average speed m.p.h.	Fastest mile: Speed m.p.h.	Direction	Date	Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Number of days, Sunrise to sunset: Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less.	Temperature °F, Maximum: (b) 90° and above	32° and below	Minimum: 32° and below	0° and below	Average station pressure mb Elev. 662 feet m.s.l.
JAN	28.9	10.1	19.5	46	23	-12	8	1404	0	0.78	0.35	13	8.6	4.4	13	78	80	67	70	25	4.8	12.4	29	W	3	59	5.5	10	9	12	8	3	1	2	0	16	31	7	995.6
FE8	45.7	24.0	34.9	72	27	-5	2	868	0	2.56	1.13	16	2.5	2.0	5	82	83	64	69	22	2.8	12.5	41	NW	1	66	6.4	6	10	13	8	1	4	1	0	6	20	2	991.2
MAR	55.2	32.5	43.9	74	19	19	17	648	0	4.25	1.57	3-4	2.0	2.0	10	80	85	65	66	21	5.1	13.6	43	W	4	52	7.5	3	8	20	12	1	7	3	0	0	18	0	989.8
APR	66.3	41.8	54.1	85	15	29	12	351	28	4.86	2.06	23-24	0.0	0.0		71	80	54	53	14	2.6	11.0	31	SW	18	62	6.0	11	5	14	8	0	4	1	0	0	6	0	993.6
MAY	69.5	46.8	58.2	82	20	31	7	221	14	5.11	1.75	5-6	0.0	0.0		74	81	55	52	08	0.7	10.0	31	NW	2	57	5.9	9	9	13	10	0	3	4	0	0	2	0	990.9
JUN	82.9	58.1	70.5	94	13	48	20	5	176	2.92	2.32	27-28	0.0	0.0		75	81	50	48	19	1.8	9.6	35	NW	27	69	4.7	13	8	9	6	0	4	0	5	0	0	0	991.9
JUL	86.9	63.6	75.3	98	14	51	1	0	326	2.98	1.10	21-22	0.0	0.0		81	85	54	56	22	1.8	8.1	26	NW	28	71	5.0	12	12	7	10	0	9	0	8	0	0	0	992.2
AUG	81.5	59.0	70.3	94	27	48	8	9	180	2.30	1.12	5-6	0.0	0.0		80	86	57	59	12	2.1	7.4	27	W	11	64	5.3	13	6	12	6	0	5	0	1	0	0	0	996.3
SEP	76.2	50.3	63.3	89	8	35	22	106	62	1.78	1.63	25-26	0.0	0.0		76	83	49	54	28	0.1	7.7	21	NW	9	65	5.0	13	7	10	5	0	1	1	0	0	0	0	994.2
OCT	58.3	36.2	47.3	87	2	20	28	556	14	2.48	1.26	5	T	T	30	80	82	53	62	30	1.5	8.7	26	NW	21	56	5.7	9	8	14	8	0	0	2	0	0	11	0	994.9
† NOV	42.9	21.1	32.0	66	18	0	29	981	0	0.83	0.80	26	0.4	0.3	30	70	78	50	56	26	6.5	10.3	25	NW	7	78	4.8	10	12	8	3	0	0	0	0	3	27	1	994.9
OEC	31.8	10.1	21.0	53	27	-11	31	1357	0	0.38	0.31	6	4.1	3.2	6	72	73	59	65	26	4.9	11.5	32	NW	23	67	5.7	11	8	12	3	1	0	1	0	15	31	5	993.6
YEAR	60.5	37.8	49.2	98	JUL 14	-12	JAN 8	6506	800	31.23	2.32	JUN 27-28	17.6	4.4	JAN 13	77	81	56	59	23	2.0	10.2	43	W	MAR 4	64	5.6	120	102	144	87	6	38	15	14	40	146	15	993.3

† DATA CORRECTED AFTER PUBLICATION OF THE MONTHLY ISSUE.

Normals, Means, And Extremes

Month	Temperatures °F, Normal: Daily maximum	Daily minimum	Monthly	Extremes: Record highest	Year	Record lowest	Year	Normal Degree days Base 65 °F: Heating	Cooling	Precipitation in inches, Water equivalent: Normal	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Snow, Ice pellets: Maximum monthly	Year	Maximum in 24 hrs.	Year	Relative humidity pct. Hour 00 (Local time)	Hour 06	Hour 12	Hour 18	Wind: Mean speed m.p.h.	Prevailing direction	Fastest mile: Speed m.p.h.	Direction	Year	Pct. of possible sunshine	Mean sky cover, tenths, sunrise to sunset	Mean number of days, Sunrise to sunset: Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less	Temperatures °F, Max.: (b) 90° and above	32° and below	Min.: 32° and below	0° and below	Average station pressure mb. Elev. 662 feet m.s.l.
(a)				37		37					37		37		33		33		33		17	17	17	17	33	9	33	33		33	33	33	33	33	37	33	33	33	17	17	17	17	4
J	31.9	15.7	23.8	68	1950	-20	1963	1277	0	1.82	8.11	1965	0.25	1956	4.45	1965	12.0	1955	9.0	1967	77	78	69	72	11.2	S	54	S	1950	46	6.8	7	6	18	9	2	1	3	0	17	29	6	994.7
F	36.0	19.3	27.7	72	1976	-16	1951	1044	0	1.50	5.18	1942	0.33	1947	1.92	1954	12.8	1975	7.6	1944	78	80	66	70	11.6	WNW	52	W	1953	50	6.7	7	5	16	8	2	1	3	0	11	26	2	993.1
M	46.5	28.1	37.3	81	1967	-10	1960	859	0	2.80	6.95	1973	0.39	1958	3.39	1944	16.9	1960	9.0	1946	77	82	64	66	12.3	WNW	56	W	1959	52	6.9	6	8	17	11	1	3	2	0	4	21	*	990.2
A	61.7	40.8	51.3	89	1952	17	1975	416	5	4.36	8.66	1947	0.71	1971	5.06	1950	4.6	1970	3.6	1970	72	78	56	56	12.3	S	66	SW	1947	55	6.7	6	8	16	12	*	5	1	0	*	6	0	991.4
M	72.3	50.7	61.5	92	1975	25	1966	180	71	3.87	7.96	1957	1.04	1964	3.62	1956	0.1	1966	0.1	1966	76	81	57	57	10.4	S	61	SW	1950	59	6.3	7	10	14	12	0	7	1	*	0	1	0	989.2
J	81.7	60.9	71.3	100	1971	39	1945	17	206	3.91	11.69	1974	0.98	1971	4.44	1974	0.0		0.0		76	82	56	56	9.2	S	66	N	1953	66	6.0	7	11	12	10	0	9	1	5	0	0	0	990.2
J	85.5	64.6	75.1	103	1940	47	1972	0	313	3.76	8.42	1958	0.57	1945	3.56	1953	0.0		0.0		81	86	58	60	8.0	S	75	NW	1953	68	5.4	9	13	9	8	0	8	1	6	0	0	0	992.1
A	84.0	62.9	73.5	101	1947	43	1950	8	271	3.07	8.61	1965	0.81	1974	4.32	1955	0.0		0.0		82	87	59	63	7.8	S	65	W	1956	67	5.3	11	10	10	8	0	6	1	4	0	0	0	994.1
S	76.4	54.6	65.5	100	1953	26	1942	70	85	3.55	13.09	1961	0.41	1956	4.15	1961	0.0		0.0		81	87	59	64	8.7	S	73	W	1965	64	5.1	11	9	10	9	0	5	1	1	0	*	0	994.4
O	65.9	44.0	55.0	90	1963	19	1972	327	17	2.51	10.80	1941	0.03	1964	3.70	1969	1.8	1967	1.8	1967	77	84	57	62	9.5	S	60	SW	1958	62	5.1	12	8	11	7	*	2	2	*	0	4	0	995.3
N	48.7	31.1	39.9	81	1950	-1	1950	753	0	2.02	5.29	1946	0.43	1953	2.45	1946	9.1	1974	7.2	1951	79	83	66	70	11.2	S	56	W	1964	45	6.6	7	7	16	8	1	1	2	0	1	17	*	993.7
O	35.7	20.3	28.0	71	1970	-18	1963	1147	0	1.89	6.34	1949	0.33	1962	3.38	1949	18.9	1973	10.2	1973	81	83	72	76	10.9	S	58	SW	1948	40	7.0	7	5	19	10	2	1	3	0	14	27	3	993.9
YR	60.5	41.1	50.8	103	JUL 1940	-20	JAN 1963	6098	968	35.06	13.09	SEP 1961	0.03	OCT 1964	5.06	APR 1950	18.9	OEC 1973	10.2	OEC 1973	78	83	62	64	10.3	S	75	NW	JUL 1953	57	6.2	97	100	168	111	8	49	21	17	48	132	11	992.7

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 113 in July 1936; lowest temperature -27 in January 1884; maximum precipitation in 24 hours 5.52 in May 1927; maximum monthly snowfall 26.5 in February 1900; maximum snowfall in 24 hours 18.0 in February 1900.

(a) Length of record, years, through the current year unless otherwise noted, based on January data.
(b) 70° and above at Alaskan stations.
* Less than one half.
T Trace.

NORMALS - Based on record for the 1941-1970 period.
DATE OF AN EXTREME - The most recent in cases of multiple occurrence.
PREVAILING WINO OIRECTION - Record through 1963.
WINO OIRECTION - Numerals indicate tens of degrees clockwise from true north. 00 indicates calm.
FASTEST MILE WINO - Speed is fastest observed 1-minute value when the direction is in tens of degrees.

Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1937	23.8	27.8	36.2	49.7	63.2	70.8	75.8	78.3	65.8	52.2	36.7	26.8	50.6
1938	26.2	36.2	47.4	53.3	62.2	69.9	76.5	77.2	68.1	60.3	43.0	30.0	54.2
1939	32.2	27.5	41.0	47.7	66.2	73.0	76.2	73.2	71.7	57.1	41.2	33.9	53.4
1940	13.3	29.4	35.9	49.8	58.9	73.6	77.4	74.8	66.6	59.0	38.2	34.0	50.9
1941	28.4	25.7	35.4	56.0	66.8	73.4	77.0	76.2	69.7	58.0	43.3	36.4	53.9
1942	25.6	26.8	42.0	56.1	61.9	71.9	76.3	73.4	64.8	55.2	41.4	24.6	51.7
#1943	24.3	30.6	35.4	48.8	58.8	73.2	76.1	75.6	61.9	53.8	36.4	26.2	49.9
1944	31.0	29.4	34.4	47.4	66.4	74.2	74.8	73.8	66.2	54.4	43.0	22.2	51.4
1945	19.8	29.6	49.4	51.6	55.6	66.4	72.4	74.0	65.4	51.5	39.6	21.6	49.8
1946	27.2	30.8	50.1	54.2	58.2	70.4	76.1	69.9	65.8	59.0	42.8	33.0	53.1
1947	28.5	21.5	32.7	49.8	56.8	68.0	72.4	82.0	68.2	63.2	35.0	31.3	50.8
1948	20.2	27.6	37.5	55.0	59.6	70.6	74.8	74.3	69.0	52.2	42.8	31.4	51.2
1949	26.5	27.5	39.0	50.6	64.4	74.7	78.4	74.5	60.4	57.4	42.3	33.3	52.4
1950	29.2	26.9	34.6	44.3	63.6	69.9	72.4	69.0	65.8	60.1	34.0	20.8	49.2
1951	24.3	27.9	34.7	47.9	63.9	68.4	73.8	71.7	62.3	55.2	33.3	26.1	49.1
1952	27.2	33.0	36.1	52.4	60.9	76.7	77.0	72.6	65.7	48.4	42.5	32.3	52.1
1953	28.4	32.9	39.9	47.0	61.7	75.8	77.0	75.1	67.2	59.0	43.0	31.1	53.2
1954	27.4	37.5	35.4	55.6	57.5	75.5	77.8	73.8	69.1	55.4	41.8	31.1	53.1
1955	24.5	28.1	37.8	58.7	64.3	68.4	80.9	77.8	67.6	54.3	35.6	26.3	52.0
1956	25.9	29.8	38.9	48.8	64.3	74.1	73.7	74.1	65.5	61.6	39.9	31.8	52.4
1957	18.6	34.5	38.3	51.1	61.1	71.7	77.6	75.2	64.8	51.6	39.5	34.1	51.5
1958	25.0	19.5	36.8	52.2	62.7	66.4	72.8	73.9	65.8	56.5	43.1	23.0	49.8
#1959	18.5	27.0	38.9	51.0	66.1	73.6	75.0	77.8	68.1	51.3	32.9	34.7	51.3
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	66.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
1975	27.5	26.1	33.8	47.0	64.6	72.1	73.8	74.7	60.9	55.3	44.9	30.2	50.9
1976	19.5	34.9	43.9	54.1	58.2	70.5	75.3	70.3	63.3	47.3	32.0	21.0	49.2
RECORD MEAN	24.4	28.0	38.6	51.0	61.5	71.3	75.6	73.7	66.2	54.6	40.3	28.5	51.1
MAX	32.5	36.3	47.9	61.3	72.3	82.1	86.5	84.5	77.2	65.5	49.1	36.0	60.9
MIN	16.3	19.7	29.2	40.5	50.6	60.5	64.6	62.9	55.1	43.7	31.4	20.9	41.3

Heating Degree Days

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1956-57	0	6	74	129	747	1026	1434	847	824	431	158	9	5685
1957-58	0	0	70	408	758	949	1233	1271	868	381	114	35	6087
1958-59	1	11	72	274	652	1296	1435	1057	800	418	103	5	6124
#1959-60	1	0	66	421	954	930	1171	1183	1308	374	233	18	6659
1960-61	2	0	53	342	724	1278	1351	922	750	612	277	29	6340
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6569
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974-75	0	1	157	354	756	1081	1156	1085	959	534	92	17	6192
1975-76	13	1	171	306	596	1069	1404	868	648	351	221	5	5653
1976-77	0	9	106	556	981	1357							

Cooling Degree Days

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817
1975	0	0	0	0	83	237	292	307	55	14	0	0	988
1976	0	0	0	28	14	176	326	180	62	14	0	0	800

Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1937	2.86	2.46	1.02	4.42	3.22	4.87	2.32	1.55	1.14	2.69	1.28	2.06	29.89
1938	4.32	2.21	4.42	3.80	5.72	6.76	6.34	3.01	2.12	0.84	1.65	1.43	42.62
1939	3.40	2.88	3.24	5.16	4.48	5.53	4.80	2.38	0.85	3.80	1.14	0.61	38.27
1940	0.58	0.61	2.01	3.83	3.30	1.24	0.84	3.60	0.92	3.25	2.06	1.75	23.99
1941	3.11	1.01	1.48	5.04	6.52	3.38	1.66	2.79	5.32	10.80	2.00	1.46	44.57
1942	1.39	5.18	2.18	3.71	3.48	5.56	4.73	2.24	2.55	0.96	4.58	2.58	39.14
#1943	1.68	1.04	2.43	5.79	7.35	3.49	2.56	4.63	0.88	1.60	1.23	0.58	33.26
1944	0.57	1.74	5.92	8.32	4.12	2.72	1.73	2.86	4.49	1.23	1.33	0.90	35.93
1945	0.49	1.24	3.90	5.58	4.90	5.66	0.57	1.11	7.36	0.74	2.19	2.39	36.13
1946	2.63	0.58	4.22	1.55	5.06	7.41	0.79	3.40	2.32	3.88	5.29	1.76	38.89
1947	1.47	0.33	2.25	8.66	4.63	7.13	1.64	1.33	2.49	3.57	2.54	3.13	39.17
1948	1.25	1.70	3.94	1.81	2.55	3.25	8.18	0.81	1.72	1.18	1.13	2.61	30.13
1949	4.43	1.63	2.57	2.75	1.17	3.25	4.93	1.28	1.62	2.71	0.65	6.34	33.33
1950	4.09	2.75	1.73	8.49	1.45	5.90	4.13	1.67	3.49	0.61	2.04	0.95	37.30
1951	1.58	3.44	3.35	4.09	2.56	4.04	5.81	3.30	2.50	2.97	2.43	1.16	37.23
1952	1.51	1.59	4.10	3.88	3.90	5.68	2.44	4.73	1.77	0.85	3.09	1.89	35.43
1953	1.28	0.77	4.80	2.81	2.16	3.47	6.32	1.61	2.11	0.74	0.43	2.33	28.83
1954	0.89	2.68	3.41	5.47	2.59	6.35	3.82	8.56	0.93	3.27	2.19	1.80	41.96
1955	2.56	2.44	1.76	3.69	3.54	3.20	0.65	4.72	2.62	3.73	0.72	0.36	29.99
1956	0.25	1.11	0.54	3.12	5.20	0.98	4.67	4.47	0.41	0.67	2.30	1.90	25.62
1957	1.70	0.83	2.63	5.61	7.96	3.04	2.00	1.57	1.21	4.34	2.55	3.55	36.99
1958	1.30	0.57	0.39	2.65	3.32	4.86	8.42	3.35	3.15	0.93	2.02	0.49	31.45
1959	1.71	1.84	3.46	2.50	5.09	1.03	2.83	2.25	3.51	3.56	0.96	1.89	30.63
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
1975	2.59	2.85	1.73	3.92	5.19	3.90	4.26	5.62	2.74	3.63	2.75	2.04	41.22
1976	0.78	2.56	4.25	4.86	5.11	2.92	2.98	2.30	1.78	2.48	0.83	0.38	31.23
RECORD MEAN	1.81	1.81	2.78	3.53	3.93	3.89	3.77	3.05	3.73	2.46	2.26	1.99	35.01

Snowfall

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1937-38	0.0	0.0	0.0	T	4.1	0.8	6.3	7.0	T	6.2	0.0	0.0	24.4
1938-39	0.0	0.0	0.0	T	0.6	0.9	13.6	3.3	T	T	0.0	0.0	18.4
1939-40	0.0	0.0	0.0	0.0	T	8.0	4.3	8.2	2.3	T	T	0.0	22.8
1940-41	0.0	0.0	0.0	0.0	1.3	0.3	9.1	3.3	5.1	0.0	0.0	0.0	19.1
1941-42	0.0	0.0	0.0	0.0	3.5	3.6	3.5	8.9	0.7	T	0.0	0.0	20.2
#1942-43	0.0	0.0	1.0	0.0	3.2	9.5	14.2	6.5	7.7	0.2	0.0	0.0	42.3
1943-44	0.0	0.0	0.0	0.0	0.4	3.0	T	11.0	2.8	0.0	T	0.0	17.2
1944-45	0.0	0.0	0.0	0.0	0.3	8.3	7.0	3.0	2.7	T	0.0	0.0	21.3
1945-46	0.0	0.0	0.0	0.0	0.5	7.0	1.8	3.2	9.9	T	0.0	0.0	22.4
1946-47	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.3	6.8	T	0.0	0.0	22.3
1947-48	0.0	0.0	0.0	0.0	3.6	1.8	4.3	4.0	3.0	0.0	0.0	0.0	16.7
1948-49	0.0	0.0	0.0	0.0	T	2.0	3.2	3.8	0.1	1.2	0.0	0.0	10.3
1949-50	0.0	0.0	0.0	0.0	0.3	3.6	2.1	10.7	2.0	T	T	0.0	18.7
1950-51	0.0	0.0	0.0	T	4.8	8.3	4.8	5.4	10.2	2.1	0.0	0.0	35.6
1951-52	0.0	0.0	0.0	0.0	8.9	9.8	2.3	6.5	4.8	T	0.0	0.0	32.3
1952-53	0.0	0.0	0.0	0.0	T	2.4	5.2	0.4	3.2	2.6	0.0	0.0	13.8
1953-54	0.0	0.0	0.0	0.0	1.8	4.3	0.1	2.8	4.3	0.0	T	0.0	13.3
1954-55	0.0	0.0	0.0	T	4.0	8.2	12.0	3.1	5.6	0.0	0.0	0.0	32.9
1955-56	0.0	0.0	0.0	T	2.2	2.3	1.8	5.2	4.5	T	0.0	0.0	16.0
1956-57	0.0	0.0	0.0	0.0	2.8	9.1	10.0	0.5	8.2	1.6	0.0	0.0	32.2
1957-58	0.0	0.0	0.0	T	0.4	5.4	11.0	1.5	0.4	T	0.0	0.0	18.7
1958-59	0.0	0.0	0.0	0.0	1.0	5.0	11.6	2.6	4.2	T	0.0	0.0	24.4
1959-60	0.0	0.0	0.0	0.0	7.0	2.4	3.3	12.0	16.9	T	T	0.0	41.6
1960-61	0.0	0.0	0.0	0.0	0.3	4.6	3.5	5.3	0.7	1.2	0.0	0.0	15.6
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2	8.8	12.8	3.8	1.6	0.0	0.0	42.3
1975-76	0.0	0.0	0.0	0.0	8.1	1.4	8.6	2.5	2.0	0.0	0.0	0.0	22.6
1976-77	0.0	0.0	0.0	T	0.4	4.1							
RECORD MEAN	0.0	0.0	0.0	0.1	2.2	5.5	5.7	4.7	4.6	0.6	T	0.0	23.4

# Indicates a station move or relocation of instruments. See Station Location table.

Record mean values above are means through the current year for the period beginning in 1905 for temperature, 1856 for precipitation and 1944 for snowfall. Data are from cooperative and city locations through May 4, 1943.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground								Sea level	
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyrsnometer	
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40° 41'	89° 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40° 41'	89° 36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40° 41'	89° 36'	460										
Corner of Pecan & Meyer	1869	1872	9 blks. WSW	40° 41'	89° 36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40° 41'	89° 36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40° 41'	89° 36'	495										
701 Fourth Street	1889	1905	9 blks.NW	40° 42'	89° 36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40° 43'	89° 36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Bldg. Municipal Airport 5 miles WSW of P. O.	3/01/35	5/04/43		40° 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Bldg. Municipal Airport	5/04/43	10/01/59	Not moved	40° 40'	89° 41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg. Greater Peoria Airport	10/01/59	Present	2300 feet WNW	40° 40'	89° 41'	652	20	6	6		4	4	4	5		

Requests for additional climatic information should be addressed to: Director, National Climatic Center, Federal Building, Asheville, N. C. 28801

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Map

l Climatological Data

ummary With Comparative Data

1975

PEORIA, ILLINOIS

DEPARTMENT OF COMMERCE
UNITED STATES OF AMERICA

Narrative Climatological Summary

The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

The Airport Station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good.

Monthly mean temperatures range from 24° during January to 75° during July with an annual average of 51°. Illustrating the extreme conditions that have occurred, the single year of 1936 had 17 days with temperatures 100° or higher in July while the early part of that same year had 26 zero days in a 31-day period. 1936 also had the absolute maximum record of 113° set on July 15, but the absolute minimum of -27° dates back to January of 1884. June and September are usually the most pleasant months of the year. Then during October or first of November, "Indian Summer" is often experienced with an extended period of warm dry weather.

The average date for the last occurrence in the spring of temperatures as low as 32° is April 16 with the latest date occurring on May 25 in 1925. The average date for the first occurrence in the fall of temperatures as low as 32° is October 21 with the earliest date occurring on September 23 in 1974. The average growing season is 189 days with the longest growing season of record of 214 days occurring in 1931, while the shortest was 151 days in 1928 and in 1974.

The normal annual precipitation is 35.06 inches with individual years ranging from 23.18 inches in 1910 to 53.26 inches in 1858. Precipitation is normally heaviest during the growing season and at a minimum during midwinter. However, the wettest month on record was September in 1961 with 13.09 inches; and the driest was October of 1964 with only 0.03 of an inch. The maximum amount of rainfall occurring in any 24-hour period was 5.52 inches in May of 1927. Maximum amounts recorded for shorter periods are: for 5 minutes, 0.75 of an inch; for 15 minutes, 1.26 inches; for 30 minutes, 2.10 inches; and for 60 minutes, 2.60 inches.

Annual snowfall has ranged from only 6.0 inches in 1928 to 45.7 inches in 1926. The earliest snow of record occurred on September 25, 1942, when 1.0 inch fell; while traces have occurred as late in the spring as May 9. The heaviest single storm of record brought 18 inches during the last 2 days of February in 1900.

UNIVERSITY OF ILLINOIS-URBANA
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Meteorological Data For The Current Year

Station: PEORIA, ILLINOIS GREATER PEORIA AIRPORT Standard time used: CENTRAL Latitude: 40° 40' N Longitude: 89° 41' W Elevation (ground): 652 feet Year: 1975

Month	Temperature °F							Degree days Base 65 °F		Precipitation in inches						Relative humidity, pct.				Wind						Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Number of days											Average station pressure mb
	Averages			Extremes						Water equivalent			Snow, Ice pellets			Hour (Local time)	Hour	Hour	Hour	Resultant			Fastest mile					Sunrise to sunset							Temperature °F				Elev.
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date	Heating	Cooling	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date	00	06	12	18	Direction	Speed m.p.h.	Average speed m.p.h.	Speed m.p.h.	Direction	Date			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less.	Maximum (b) 90° and above	Maximum 32° and below	Minimum 32° and below	Minimum 0° and below	662 feet m.s.l.
JAN	35.3	19.6	27.5	59	10	-4	20	1156	0	2.59	1.47	9-10	8.8	2.9	15	84	84	73	78	21	4.8	11.2	33	SW	11	29	8.0	3	6	22	16	3	3	3	0	14	29	1	992.9
FEB	32.0	20.1	26.1	53	21	-14	9	1085	0	2.85	0.70	16-17	12.8	4.7	23-24	79	80	72	75	27	2.2	11.3	32	W	25	35	7.9	4	4	20	13	4	1	3	0	10	27	2	992.6
MAR	42.3	25.3	33.8	74	21	9	4	959	0	1.73	0.76	27	3.8	2.7	9-10	80	84	65	68	27	2.1	11.6	34	SW	24	62	7.3	5	7	19	9	2	1	4	0	7	23	0	991.2
APR	57.3	36.7	47.0	80	17	17	4	534	0	3.92	1.42	2	1.6	1.6	2	72	80	58	58	08	2.7	11.5	32	W	18	46	6.9	7	6	17	8	1	4	0	0	1	10	0	993.2
MAY	76.1	53.0	64.6	92	23	37	1	92	83	5.19	1.49	25-26	0.0	0.0		78	85	58	56	14	1.4	7.9	40	S	19	57	6.3	7	7	17	13	0	11	1	2	0	0	0	989.8
JUN	82.5	61.7	72.1	91	21	50	8	17	237	3.90	0.89	17	0.0	0.0		81	85	60	63	20	4.0	8.8	30	W	12	68	6.5	7	8	15	12	0	12	0	5	0	0	0	990.5
JUL	85.1	62.5	73.8	92	18	48	13	13	292	4.26	3.29	23-24	0.0	0.0		83	85	57	59	26	0.7	7.0	50	W	23	80	4.6	12	15	4	7	0	8	3	7	0	0	0	991.9
AUG	83.6	65.7	74.7	92	24	51	7	1	307	5.62	1.62	14	0.0	0.0		87	90	65	70	16	1.8	7.2	32	W	11	61	6.3	9	6	16	12	0	9	0	5	0	0	0	993.6
SEP	71.3	50.4	60.9	90	3	38	27	171	55	2.74	1.08	5	0.0	0.0		83	87	58	66	28	0.6	7.4	24	NW	11	58	5.8	9	8	13	8	0	5	2	1	0	0	0	995.3
OCT	67.6	43.0	55.3	85	13	30	26	306	14	3.63	1.93	14	0.0	0.0		76	83	51	57	18	3.4	10.3	27	SW	24	74	4.6	11	13	7	4	0	2	1	0	0	1	0	994.9
NOV	53.6	36.2	44.9	71	9	17	30	596	0	2.75	1.15	29-30	8.1	6.8	26	79	83	67	73	19	5.4	11.6	33	W	10	38	6.9	7	4	19	11	1	2	3	0	2	13	0	992.9
DEC	36.6	23.8	30.2	66	14	0	18	1069	0	2.04	1.17	13-14	1.4	1.1	8	85	87	75	82	23	0.6	10.8	38	W	14	38	8.2	3	4	24	10	1	1	3	0	15	28	1	996.3
YEAR	60.3	41.5	50.9	92	AUG 24	-14	FEB 9	5999	988	41.22	3.29	JUL 23-24	36.5	6.8	NOV 26	81	84	63	67	20	1.7	9.7	50	W	JUL 23	56	6.6	84	88	193	123	12	59	23	20	49	131	4	992.9

Normals, Means, And Extremes

Month	Temperatures °F							Normal Degree days Base 65 °F		Precipitation in inches											Relative humidity pct.				Wind					Pct. of possible sunshine	Mean sky cover, tenths, sunrise to sunset	Mean number of days											Average station pressure mb.
	Normal			Extremes						Water equivalent							Snow, Ice pellets				Hour (Local time)	Hour	Hour	Hour			Fastest mile					Sunrise to sunset							Temperatures °F				Elev. 662
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year	Heating	Cooling	Normal	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Maximum monthly	Year	Maximum in 24 hrs.	Year	00	06	12	18	Mean speed m.p.h.	Prevailing direction	Speed m.p.h.	Direction	Year			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less	Max. (b) 90° and above	Max. 32° and below	Min. 32° and below	Min. 0° and below	feet m.s.l.
(a)				16		16					36		36		32		32		32		16	16	16	16	32	9	32	32		32	32	32	32	32	36	32	32	32	16	16	16	16	3
J	31.9	15.7	23.8	66	1967	-20	1963	1277	0	1.82	8.11	1965	0.25	1956	4.45	1965	12.0	1955	9.0	1967	77	78	69	72	11.2	S	54	S	1950	45	6.8	7	6	18	9	2	1	3	0	17	29	6	994.4
F	36.0	19.3	27.7	70	1972	-14	1975	1044	0	1.50	5.18	1942	0.33	1947	1.92	1954	12.8	1975	7.6	1944	78	79	66	70	11.6	WNW	52	W	1953	50	6.7	7	5	16	8	2	1	3	0	11	27	2	993.7
M	46.5	28.1	37.3	81	1967	-10	1960	859	0	2.80	6.95	1973	0.39	1958	3.39	1944	16.9	1960	9.0	1946	77	82	64	66	12.3	WNW	56	W	1959	52	6.9	6	8	17	11	2	3	2	0	5	21	*	990.3
A	61.7	40.8	51.3	87	1970	17	1975	416	5	4.36	8.66	1947	0.71	1971	5.06	1950	4.6	1970	3.6	1970	72	78	57	56	12.3	S	66	SW	1947	55	6.8	6	8	16	12	*	5	1	0	*	6	0	990.6
M	72.3	50.7	61.5	92	1975	25	1966	180	71	3.87	7.96	1957	1.04	1964	3.62	1956	0.1	1966	0.1	1966	76	81	57	57	10.4	S	61	SW	1950	59	6.3	7	10	14	12	0	7	1	*	0	1	0	988.6
J	81.7	60.9	71.3	100	1971	40	1969	17	206	3.91	11.69	1974	0.98	1971	4.44	1974	0.0		0.0		76	82	57	57	9.1	S	66	N	1953	66	6.1	7	11	12	10	0	9	1	5	0	0	0	989.6
J	85.5	64.6	75.1	102	1966	47	1972	0	313	3.76	8.42	1958	0.57	1945	3.56	1953	0.0		0.0		81	86	59	60	8.0	S	75	NW	1953	68	5.4	9	13	9	8	0	8	1	6	0	0	0	992.1
A	84.0	62.9	73.5	99	1964	44	1967	8	271	3.07	8.61	1965	0.81	1974	4.32	1955	0.0		0.0		82	88	59	63	7.8	S	65	W	1956	67	5.3	11	10	10	8	0	7	1	4	0	0	0	993.3
S	76.4	54.6	65.5	94	1960	31	1974	70	85	3.55	13.09	1961	0.41	1956	4.15	1961	0.0		0.0		82	88	60	65	8.8	S	73	W	1965	64	5.1	11	9	10	9	0	5	1	2	0	*	0	994.5
O	65.9	44.0	55.0	90	1963	19	1972	327	17	2.51	10.80	1941	0.03	1964	3.70	1969	1.8	1967	1.8	1967	77	85	58	62	9.5	S	60	SW	1958	63	5.1	12	8	11	7	*	2	2	*	0	4	0	995.5
N	48.7	31.1	39.9	77	1964	4	1964	753	0	2.02	5.29	1946	0.43	1953	2.45	1946	9.1	1974	7.2	1951	79	83	67	71	11.2	S	56	W	1964	44	6.7	7	6	17	9	1	1	2	0	1	17	0	993.2
D	35.7	20.3	28.0	71	1970	-18	1963	1147	0	1.89	6.34	1949	0.33	1962	3.38	1949	18.9	1973	10.2	1973	82	84	73	77	10.9	S	58	SW	1948	39	7.0	7	5	19	10	2	1	3	0	14	27	2	994.0
YR	60.5	41.1	50.8	102	JUL 1966	-20	JAN 1963	6098	968	35.06	13.09	SEP 1961	0.03	OCT 1964	5.06	APR 1950	18.9	DEC 1973	10.2	DEC 1973	78	83	62	65	10.3	S	75	NW	JUL 1953	57	6.2	97	99	169	112	8	49	21	17	49	131	11	992.5

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 113 in July 1936; lowest temperature -27 in January 1884; maximum precipitation in 24 hours 5.52 in May 1927; maximum monthly snowfall 26.5 in February 1900; maximum snowfall in 24 hours 18.0 in February 1900.

(a) Length of record, years, through the current year unless otherwise noted, based on January data.
(b) 70° and above at Alaskan stations.
* Less than one half.
T Trace.

NORMALS - Based on record for the 1941-1970 period.
DATE OF AN EXTREME - The most recent in cases of multiple occurrence.
PREVAILING WIND DIRECTION - Record through 1963.
WIND DIRECTION - Numerals indicate tens of degrees clockwise from true north. 00 indicates calm.
FASTEST MILE WIND - Speed is fastest observed 1-minute value when the direction is in tens of degrees.

Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1936	17.2	14.8	41.9	48.2	67.0	72.0	84.3	80.3	70.5	54.2	37.8	33.8	51.8
1937	23.8	27.8	36.2	49.7	63.2	70.8	75.8	78.3	65.8	52.2	36.7	26.8	50.6
1938	26.2	36.2	47.4	53.3	62.2	69.9	76.5	77.2	68.1	60.3	43.0	30.0	54.2
1939	32.2	27.5	41.0	47.7	66.2	73.0	76.2	73.2	71.7	57.1	41.2	33.9	53.4
1940	13.3	29.4	35.9	49.8	58.9	73.6	77.4	74.8	66.6	59.0	38.2	34.0	50.9
1941	28.4	25.7	35.4	56.0	66.8	73.4	77.0	76.2	69.7	58.0	43.3	36.4	53.9
1942	25.6	26.8	42.0	56.1	61.9	71.9	76.3	73.4	64.8	55.2	41.4	24.6	51.7
#1943	24.3	30.6	35.4	48.8	58.8	73.2	76.1	75.6	61.9	53.8	36.4	26.2	49.9
1944	31.0	29.4	34.4	47.4	66.4	74.2	74.8	73.8	66.2	54.4	43.0	22.2	51.4
1945	19.8	29.6	49.4	51.6	55.6	66.4	72.4	74.0	65.4	51.5	39.6	21.6	49.8
1946	27.2	30.8	50.1	54.2	58.2	70.4	76.1	69.9	65.8	59.0	42.8	33.0	53.1
1947	28.5	21.5	32.7	49.8	56.8	68.0	72.4	82.0	68.2	63.2	35.0	31.3	50.8
1948	20.2	27.6	37.5	55.0	59.6	70.6	74.8	74.3	69.0	52.2	42.8	31.4	51.2
1949	26.5	27.5	39.0	50.6	64.4	74.7	78.4	74.5	60.4	57.4	42.3	33.3	52.4
1950	29.2	26.9	34.6	44.3	63.6	69.9	72.4	69.0	65.8	60.1	34.0	20.8	49.2
1951	24.3	27.9	34.7	47.9	63.9	68.4	73.8	71.7	62.3	55.2	33.3	26.1	49.1
1952	27.2	33.0	36.1	52.4	60.9	76.7	77.0	72.6	65.7	48.4	42.5	32.3	52.1
1953	28.4	32.9	39.9	47.0	61.7	75.8	77.0	75.1	67.2	59.0	43.0	31.1	53.2
1954	27.4	37.5	35.4	55.6	57.5	75.5	77.8	73.8	69.1	55.4	41.8	31.1	53.1
1955	24.5	28.1	37.8	58.7	64.3	68.4	80.9	77.8	67.6	54.3	35.6	26.3	52.0
1956	25.9	29.8	38.9	48.8	64.3	74.1	73.7	74.1	65.5	61.6	39.9	31.8	52.4
1957	18.6	34.5	38.3	51.1	61.1	71.7	77.6	75.2	64.8	51.6	39.5	34.1	51.5
1958	25.0	19.5	36.8	52.2	62.7	66.4	72.8	73.9	65.8	56.5	43.1	23.0	49.8
#1959	18.5	27.0	38.9	51.0	66.1	73.6	75.0	77.8	68.1	51.3	32.9	34.7	51.3
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	66.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
1975	27.5	26.1	33.8	47.0	64.6	72.1	73.8	74.7	60.9	55.3	44.9	30.2	50.9
RECORD MEAN	24.4	28.0	38.5	50.9	61.6	71.3	75.6	73.7	66.2	54.7	40.4	28.6	51.1
MAX	32.5	36.2	47.8	61.3	72.4	82.1	86.5	84.5	77.2	65.6	49.1	36.1	60.9
MIN	16.3	19.7	29.1	40.5	50.7	60.5	64.6	62.9	55.2	43.8	31.6	21.1	41.3

Heating Degree Days

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1955-56	0	0	41	331	874	1194	1208	1014	801	491	124	26	6104
1956-57	0	6	74	129	747	1026	1434	847	824	431	158	9	5685
1957-58	0	0	70	408	758	949	1233	1271	868	381	114	35	6087
1958-59	1	11	72	274	652	1296	1435	1057	800	418	103	5	6124
#1959-60	1	0	66	421	954	930	1171	1183	1308	374	233	18	6659
1960-61	2	0	53	342	724	1278	1351	922	750	612	277	29	6340
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6569
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1116	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974-75	0	1	157	354	756	1081	1156	1085	959	534	92	17	6192
1975-76	13	1	171	306	596	1069							

Cooling Degree Days

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817
1975	0	0	0	0	83	237	292	307	55	14	0	0	988

Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1936	1.79	1.63	1.80	1.64	1.72	0.45	1.24	2.27	10.58	3.35	1.18	3.26	30.91
1937	2.86	2.46	1.02	4.42	3.22	4.87	2.32	1.55	1.14	2.69	1.28	2.06	29.89
1938	4.32	2.21	4.42	3.80	5.72	6.76	6.34	3.01	2.12	0.84	1.65	1.43	42.62
1939	3.40	2.88	3.24	5.16	4.48	5.53	4.80	2.38	0.85	3.80	1.14	0.61	38.27
1940	0.58	0.61	2.01	3.83	3.30	1.24	0.84	3.60	0.92	3.25	2.06	1.75	23.99
1941	3.11	1.01	1.48	5.04	6.52	3.38	1.66	2.79	5.32	10.80	2.00	1.46	44.57
1942	1.39	5.18	2.18	3.71	3.48	5.56	4.73	2.24	2.55	0.96	4.58	2.58	39.14
#1943	1.68	1.04	2.43	5.79	7.35	3.49	2.56	4.63	0.88	1.60	1.23	0.58	33.26
1944	0.57	1.74	5.92	8.32	4.12	2.72	1.73	2.86	4.49	1.23	1.33	0.90	35.93
1945	0.49	1.24	3.90	5.58	4.90	5.66	0.57	1.11	7.36	0.74	2.19	2.39	36.13
1946	2.63	0.58	4.22	1.55	5.06	7.41	0.79	3.40	2.32	3.88	5.29	1.76	38.89
1947	1.47	0.33	2.25	8.66	4.63	7.13	1.64	1.33	2.49	3.57	2.54	3.13	39.17
1948	1.25	1.70	3.94	1.81	2.55	3.25	8.18	0.81	1.72	1.18	1.13	2.61	30.13
1949	4.43	1.63	2.57	2.75	1.17	3.25	4.93	1.28	1.62	2.71	0.65	6.34	33.33
1950	4.09	2.75	1.73	8.49	1.45	5.90	4.13	1.67	3.49	0.61	2.04	0.95	37.30
1951	1.58	3.44	3.35	4.09	2.56	4.04	5.81	3.30	2.50	2.97	2.43	1.16	37.23
1952	1.51	1.59	4.10	3.88	3.90	5.68	2.44	4.73	1.77	0.85	3.09	1.89	35.43
1953	1.28	0.77	4.80	2.81	2.16	3.47	6.32	1.61	2.11	0.74	0.43	2.33	28.83
1954	0.89	2.68	3.41	5.47	2.59	6.35	3.82	8.56	0.93	3.27	2.19	1.80	41.96
1955	2.56	2.44	1.76	3.69	3.54	3.20	0.65	4.72	2.62	3.73	0.72	0.36	29.99
1956	0.25	1.11	0.54	3.12	5.20	0.98	4.67	4.47	0.41	0.67	2.30	1.90	25.62
1957	1.70	0.83	2.63	5.61	7.96	3.04	2.00	1.57	1.21	4.34	2.55	3.55	36.99
1958	1.30	0.57	0.39	2.65	3.32	4.86	8.42	3.35	3.15	0.93	2.02	0.49	31.45
1959	1.71	1.84	3.46	2.50	5.09	1.03	2.83	2.25	3.51	3.56	0.96	1.89	30.63
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
1975	2.59	2.85	1.73	3.92	5.19	3.90	4.26	5.62	2.74	3.63	2.75	2.04	41.22
RECORD MEAN	1.82	1.80	2.77	3.52	3.92	3.89	3.78	3.06	3.75	2.46	2.27	2.00	35.04

Snowfall

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1936-37	0.0	0.0	0.0	T	0.1	0.6	4.7	2.0	1.2	T	0.0	0.0	8.6
1937-38	0.0	0.0	0.0	T	4.1	0.8	6.3	7.0	T	6.2	0.0	0.0	24.4
1938-39	0.0	0.0	0.0	T	0.6	0.9	13.6	3.3	T	T	0.0	0.0	18.4
1939-40	0.0	0.0	0.0	0.0	T	8.0	4.3	8.2	2.3	T	T	0.0	22.8
1940-41	0.0	0.0	0.0	0.0	1.3	0.3	9.1	3.3	5.1	0.0	0.0	0.0	19.1
1941-42	0.0	0.0	0.0	0.0	3.5	3.6	3.5	8.9	0.7	T	0.0	0.0	20.2
#1942-43	0.0	0.0	1.0	0.0	3.2	9.5	14.2	6.5	7.7	0.2	0.0	0.0	42.3
1943-44	0.0	0.0	0.0	0.0	0.4	3.0	T	11.0	2.8	0.0	T	0.0	17.2
1944-45	0.0	0.0	0.0	0.0	0.3	8.3	7.0	3.0	2.7	T	0.0	0.0	21.3
1945-46	0.0	0.0	0.0	0.0	0.5	7.0	1.8	3.2	9.9	T	0.0	0.0	22.4
1946-47	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.3	6.8	T	0.0	0.0	22.3
1947-48	0.0	0.0	0.0	0.0	3.6	1.8	4.3	4.0	3.0	0.0	0.0	0.0	16.7
1948-49	0.0	0.0	0.0	0.0	T	2.0	3.2	3.8	0.1	1.2	0.0	0.0	10.3
1949-50	0.0	0.0	0.0	0.0	0.3	3.6	2.1	10.7	2.0	T	T	0.0	18.7
1950-51	0.0	0.0	0.0	T	4.8	8.3	4.8	5.4	10.2	2.1	0.0	0.0	35.6
1951-52	0.0	0.0	0.0	0.0	8.9	9.8	2.3	6.5	4.8	T	0.0	0.0	32.3
1952-53	0.0	0.0	0.0	0.0	T	2.4	5.2	0.4	3.2	2.6	0.0	0.0	13.8
1953-54	0.0	0.0	0.0	0.0	1.8	4.3	0.1	2.8	4.3	0.0	T	0.0	13.3
1954-55	0.0	0.0	0.0	T	4.0	8.2	12.0	3.1	5.6	0.0	0.0	0.0	32.9
1955-56	0.0	0.0	0.0	T	2.2	2.3	1.8	5.2	4.5	T	0.0	0.0	16.0
1956-57	0.0	0.0	0.0	0.0	2.8	9.1	10.0	0.5	8.2	1.6	0.0	0.0	32.2
1957-58	0.0	0.0	0.0	T	0.4	5.4	11.0	1.5	0.4	T	0.0	0.0	18.7
1958-59	0.0	0.0	0.0	0.0	1.0	5.0	11.6	2.6	4.2	T	0.0	0.0	24.4
1959-60	0.0	0.0	0.0	0.0	7.0	2.4	3.3	12.0	16.9	T	T	0.0	41.6
1960-61	0.0	0.0	0.0	0.0	0.3	4.6	3.5	5.3	0.7	1.2	0.0	0.0	15.6
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2	8.8	12.8	3.8	1.6	0.0	0.0	42.3
1975-76	0.0	0.0	0.0	0.0	8.1	1.4							
RECORD MEAN	0.0	0.0	0.0	0.1	2.3	5.5	5.6	4.7	4.7	0.6	T	0.0	23.5

# Indicates a station move or relocation of instruments. See Station Location table.

Record mean values above are means through the current year for the period beginning in 1905 for temperature, 1856 for precipitation and 1944 for snowfall. Data are from cooperative and city locations through May 4, 1943.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground								Sea level	
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyranometer	
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40° 41'	89° 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40° 41'	89° 36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40° 41'	89° 36'	460										
Corner of Pecan & Meyer	1869	1872	9 blks. WSW	40° 41'	89° 36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40° 41'	89° 36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40° 41'	89° 36'	495										
701 Fourth Street	1889	1905	9 blks. NW	40° 42'	89° 36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40° 43'	89° 36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Bldg. Municipal Airport 5 miles WSW of P. O.	3/01/35	5/04/43		40° 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Bldg. Municipal Airport	5/04/43	10/01/59	Not moved	40° 40'	89° 41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg. Greater Peoria Airport	10/01/59	Present	2300 feet WNW	40° 40'	89° 41'	652	20	6	6		4	4	4	5		

Requests for additional climatic information should be addressed to: Director, National Climatic Center, Federal Building, Asheville, N. C. 28801

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Thomas D. Potter
Director, National Climatic Center

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MAP

DEPARTMENT OF COMMERCE
UNITED STATES OF AMERICA

## 1974

PEORIA, ILLINOIS

Narrative Climatological Summary

The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

The Airport Station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good.

Monthly mean temperatures range from 24° during January to 75° during July with an annual average of 51°. Illustrating the extreme conditions that have occurred, the single year of 1936 had 17 days with temperatures 100° or higher in July while the early part of that same year had 26 zero days in a 31-day period. 1936 also had the absolute maximum record of 113° set on July 15, but the absolute minimum of -27° dates back to January of 1884. June and September are usually the most pleasant months of the year. Then during October or first of November, "Indian Summer" is often experienced with an extended period of warm dry weather.

The average date for the last occurrence in the spring of temperatures as low as 32° is April 16 with the latest date occurring on May 12 in 1960. The average date for the first occurrence in the fall of temperatures as low as 32° is October 21 with the earliest date occurring on September 26 in 1928. The average growing season is 189 days with the longest growing season of record of 214 days occurring in 1931, while the shortest was 151 days in 1928.

The normal annual precipitation is 35.06 inches with individual years ranging from 23.18 inches in 1910 to 53.26 inches in 1858. Precipitation is normally heaviest during the growing season and at a minimum during midwinter. However, the wettest month on record was September in 1961 with 13.09 inches; and the driest was October of 1964 with only 0.03 of an inch. The maximum amount of rainfall occurring in any 24-hour period was 5.52 inches in May of 1927. Maximum amounts recorded for shorter periods are: for 5 minutes, 0.75 of an inch; for 15 minutes, 1.26 inches; for 30 minutes, 2.10 inches; and for 60 minutes, 2.60 inches.

Annual snowfall has ranged from only 6.0 inches in 1928 to 45.7 inches in 1926. The earliest snow of record occurred on September 25, 1942, when 1.0 inch fell; while traces have occurred as late in the spring as May 9. The heaviest single storm of record brought 18 inches during the last 2 days of February in 1900.

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Meteorological Data For The Current Year

Station: PEORIA, ILLINOIS GREATER PEORIA AIRPORT Standard time used: CENTRAL Latitude: 40° 40′ N Longitude: 89° 41′ W Elevation (ground): 652 feet Year: 1974

Month	Temperature °F							Degree days Base 65 °F		Precipitation in inches						Relative humidity, pct.				Wind						Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Number of days											Average station pressure mb
	Averages			Extremes						Water equivalent			Snow, Ice pellets			Hour	Hour	Hour	Hour	Resultant			Fastest mile					Sunrise to sunset							Temperature °F Maximum		Temperature °F Minimum		
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date	Heating	Cooling	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date	00 (Local time)	06	12	18	Direction	Speed m.p.h.	Average speed m.p.h.	Speed m.p.h.	Direction	Date			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less.	(b) 90° and above	32° and below	32° and below	0° and below	Elev. 662 feet m.s.l.
JAN	30.0	16.2	23.1	55	30	-18	12	1292	0	3.09	1.11	19-20	6.7	3.1	8	81	81	72	76	25	1.9	8.6	25	NW	31	43	7.2	7	6	18	12	3	0	6	0	13	27	5	995.6
FEB	38.2	20.6	29.4	57	12	4	4	991	0	1.65	1.19	21-22	1.9	1.2	22	76	79	61	68	32	0.9	11.8	36	NW	22	57	6.8	7	5	16	7	1	1	0	0	10	25	0	991.5
MAR	51.4	30.7	41.1	78	3	6	24	736	0	2.69	0.86	4	0.9	0.9	20-21	77	82	64	65	19	0.6	11.4	33	W	29	41	8.1	4	4	23	10	0	5	5	0	2	19	0	990.5
APR	65.1	42.0	53.6	82	26	24	9	348	12	4.11	1.71	11	1.2	1.2	4-5	67	75	52	52	20	4.9	12.2	35	SW	14	48	7.3	4	8	18	11	1	7	3	0	0	4	0	990.2
MAY	68.3	50.2	59.3	85	21	36	6	214	43	6.26	1.14	18-19	0.0	0.0		82	86	68	66	19	1.5	8.9	35	W	12	24	7.9	3	6	22	19	0	12	1	0	0	0	0	989.2
JUN	77.3	56.0	66.7	89	20	47	17	42	99	11.69	4.44	21-22	0.0	0.0		81	86	60	60	22	2.5	9.1	35	NW	22	53	6.4	7	7	16	13	0	13	1	0	0	0	0	988.8
JUL	88.1	65.6	76.9	97	14	54	31	0	377	2.63	1.02	10-11	0.0	0.0		76	84	54	54	21	1.4	6.7	52	W	14	65	4.5	13	12	6	6	0	6	0	16	0	0	0	992.9
AUG	82.7	61.6	72.2	93	26	51	5	1	233	0.81	0.32	9-10	0.0	0.0		83	89	61	64	18	1.1	6.3	22	S	9	46	7.6	3	8	20	11	0	5	1	5	0	0	0	993.2
SEP	73.3	48.9	61.1	86	12	31	23	157	47	1.45	0.83	28	0.0	0.0		83	89	56	63	24	2.1	7.6	26	NW	29	57	5.2	9	12	9	5	0	2	4	0	0	1	0	994.6
OCT	65.5	41.6	53.6	78	4	27	2	354	6	2.07	0.99	13-14	0.0	0.0		75	81	55	57	18	3.6	8.5	26	S	4	55	5.5	12	4	15	11	0	2	3	0	0	6	0	998.6
NOV	46.5	32.6	39.6	73	1	22	28	756	0	4.13	1.52	3	9.1	4.7	13	84	88	75	79	22	3.2	10.1	24	S	22	34	7.0	6	8	16	10	2	1	3	0	1	19	0	993.6
DEC	35.8	23.9	29.9	47	6	11	9	1081	0	1.93	0.46	31	6.2	3.3	1	88	90	80	83	22	2.3	9.4	23	SE	22	24	7.5	6	4	21	13	2	0	6	0	12	27	0	992.6
YEAR	60.2	40.8	50.5	97	JUL 14	-18	JAN 12	5972	817	42.51	4.44	JUN 21-22	26.0	4.7	NOV 13	79	84	63	66	21	1.9	9.2	52	W	JUL 14	46	6.8	81	84	200	128	9	54	33	21	38	128	5	992.6

Normals, Means, And Extremes

Month	Temperatures °F							Normal Degree days Base 65 °F		Precipitation in inches											Relative humidity pct.				Wind					Pct. of possible sunshine	Mean sky cover, tenths, sunrise to sunset	Mean number of days											Average station pressure mb.
	Normal			Extremes						Water equivalent							Snow, Ice pellets				Hour	Hour	Hour	Hour			Fastest mile					Sunrise to sunset							Temperatures °F Max.		Temperatures °F Min.		
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year	Heating	Cooling	Normal	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Maximum monthly	Year	Maximum in 24 hrs.	Year	00 (Local time)	06	12	18	Mean speed m.p.h.	Prevailing direction	Speed m.p.h.	Direction	Year			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less	(b) 90° and above	32° and below	32° and below	0° and below	Elev. 662 feet m.s.l.
(a)				15		15					35		35		31		31		31		15	15	15	15	31	9	31	31		31	31	31	31	31	35	31	31	31	15	15	15	15	2
J	31.9	15.7	23.8	66	1967	-20	1963	1277	0	1.82	8.11	1965	0.25	1956	4.45	1965	12.0	1955	9.0	1967	77	78	68	72	11.2	S	54	S	1950	46	6.8	8	5	18	9	2	1	3	0	17	29	6	995.1
F	36.0	19.3	27.7	70	1972	-13	1963	1044	0	1.50	5.18	1942	0.33	1947	1.92	1954	12.0	1960	7.6	1944	77	79	66	70	11.6	WNW	52	W	1953	50	6.6	7	6	15	8	1	1	3	0	11	27	2	994.3
M	46.5	28.1	37.3	81	1967	-10	1960	859	0	2.80	6.95	1973	0.39	1958	3.39	1944	16.9	1960	9.0	1946	77	81	64	66	12.3	WNW	56	W	1959	51	6.9	6	8	17	11	1	3	2	0	5	21	*	989.9
A	61.7	40.8	51.3	87	1970	19	1972	416	5	4.36	8.66	1947	0.71	1971	5.06	1950	4.6	1970	3.6	1970	72	78	56	56	12.3	S	66	SW	1947	55	6.8	6	8	16	12	*	5	1	0	0	6	0	989.4
M	72.3	50.7	61.5	91	1967	25	1966	180	71	3.87	7.96	1957	1.04	1964	3.62	1956	0.1	1966	0.1	1966	76	81	57	57	10.5	S	61	SW	1950	59	6.3	7	10	14	12	0	7	1	*	0	1	0	988.0
J	81.7	60.9	71.3	100	1971	40	1969	17	206	3.91	11.69	1974	0.98	1971	4.44	1974	0.0		0.0		76	81	56	57	9.2	S	66	N	1953	65	6.1	7	11	12	10	0	9	1	5	0	0	0	989.2
J	85.5	64.6	75.1	102	1966	47	1972	0	313	3.76	8.42	1958	0.57	1945	3.56	1953	0.0		0.0		81	86	59	60	8.0	S	75	NW	1953	68	5.4	9	12	10	8	0	8	1	6	0	0	0	992.2
A	84.0	62.9	73.5	99	1964	44	1967	8	271	3.07	8.61	1965	0.81	1974	4.32	1955	0.0		0.0		82	87	59	63	7.8	S	65	W	1956	68	5.3	11	10	10	8	0	6	1	4	0	0	0	993.2
S	76.4	54.6	65.5	94	1960	31	1974	70	85	3.55	13.09	1961	0.41	1956	4.15	1961	0.0		0.0		82	88	60	65	8.8	S	73	W	1965	64	5.1	11	9	10	9	0	5	1	2	0	*	0	994.1
O	65.9	44.0	55.0	90	1963	19	1972	327	17	2.51	10.80	1941	0.03	1964	3.70	1969	1.8	1967	1.8	1967	77	85	58	62	9.5	S	60	SW	1958	62	5.1	12	8	11	7	*	2	2	*	0	4	0	995.8
N	48.7	31.1	39.9	77	1964	4	1964	753	0	2.02	5.29	1946	0.43	1953	2.45	1946	9.1	1974	7.2	1951	79	83	66	70	11.2	S	56	W	1964	44	6.7	7	7	16	8	1	1	2	0	1	17	0	993.4
D	35.7	20.3	28.0	71	1970	-18	1963	1147	0	1.89	6.34	1949	0.33	1962	3.38	1949	18.9	1973	10.2	1973	81	83	73	77	10.9	S	58	SW	1948	40	7.0	7	5	19	10	2	1	3	0	14	26	3	992.9
YR	60.5	41.1	50.8	102	JUL 1966	-20	JAN 1963	6098	968	35.06	13.09	SEP 1961	0.03	OCT 1964	5.06	APR 1950	18.9	DEC 1973	10.2	DEC 1973	78	83	62	64	10.3	S	75	NW	JUL 1953	57	6.2	98	99	168	111	8	49	21	17	49	131	11	992.3

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 113 in July 1936; lowest temperature -27 in January 1884; maximum precipitation in 24 hours 5.52 in May 1927; maximum monthly snowfall 26.5 in February 1900; maximum snowfall in 24 hours 18.0 in February 1900.

(a) Length of record, years, through the current year unless otherwise noted, based on January data.
(b) 70° and above at Alaskan stations.
* Less than one half.
T Trace.

NORMALS - Based on record for the 1941-1970 period.
DATE OF AN EXTREME - The most recent in cases of multiple occurrence.
PREVAILING WIND DIRECTION - Record through 1963.
WIND DIRECTION - Numerals indicate tens of degrees clockwise from true north. 00 indicates calm.
FASTEST MILE WIND - Speed is fastest observed 1-minute value when the direction is in tens of degrees.

Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1935	26.2	31.4	44.3	48.4	55.8	67.4	79.2	74.8	65.8	54.4	38.6	23.2	50.8
1936	17.2	14.8	41.9	48.2	67.0	72.0	84.3	80.3	70.5	54.2	37.8	33.8	51.8
1937	23.8	27.8	36.2	49.7	63.2	70.8	75.8	78.3	65.8	52.2	36.7	26.8	50.6
1938	26.2	36.2	47.4	53.3	62.2	69.9	76.5	77.2	68.1	60.3	43.0	30.0	54.2
1939	32.2	27.5	41.0	47.7	66.2	73.0	76.2	73.2	71.7	57.1	41.2	33.9	53.4
1940	13.3	29.4	35.9	49.8	58.9	73.6	77.4	74.8	66.6	59.0	38.2	34.0	50.9
1941	28.4	25.7	35.4	56.0	66.8	73.4	77.0	76.2	69.7	58.0	43.3	36.4	53.9
1942	25.6	26.8	42.0	56.1	61.9	71.9	76.3	73.4	64.8	55.2	41.4	24.6	51.7
#1943	24.3	30.6	35.4	48.8	58.8	73.2	76.1	75.6	61.9	53.8	36.4	26.2	49.9
1944	31.0	29.4	34.4	47.4	66.4	74.2	74.8	73.8	66.2	54.4	43.0	22.2	51.4
1945	19.8	29.6	49.4	51.6	55.6	66.4	72.4	74.0	65.4	51.5	39.6	21.6	49.8
1946	27.2	30.8	50.1	54.2	58.2	70.4	76.1	69.9	65.8	59.0	42.8	33.0	53.1
1947	28.5	21.5	32.7	49.8	56.8	68.0	72.4	82.0	68.2	63.2	35.0	31.3	50.8
1948	20.2	27.6	37.5	55.0	59.6	70.6	74.8	74.3	69.0	52.2	42.8	31.4	51.2
1949	26.5	27.5	39.0	50.6	64.4	74.7	78.4	74.5	60.4	57.4	42.3	33.3	52.4
1950	29.2	26.9	34.6	44.3	63.6	69.9	72.4	69.0	65.8	60.1	34.0	20.8	49.2
1951	24.3	27.9	34.7	47.9	63.9	68.4	73.8	71.7	62.3	55.2	33.3	26.1	49.1
1952	27.2	33.0	36.1	52.4	60.9	76.7	77.0	72.6	65.7	48.4	42.5	32.3	52.1
1953	28.4	32.9	39.9	47.0	61.7	75.8	77.0	75.1	67.2	59.0	43.0	31.1	53.2
1954	27.4	37.5	35.4	55.6	57.5	75.5	77.8	73.8	69.1	55.4	41.8	31.1	53.1
1955	24.5	28.1	37.8	58.7	64.3	68.4	80.9	77.8	67.6	54.3	35.6	26.3	52.0
1956	25.9	29.8	38.9	48.8	64.3	74.1	73.7	74.1	65.5	61.6	39.9	31.8	52.4
1957	18.6	34.5	38.3	51.1	61.1	71.7	77.6	75.2	64.8	51.6	39.5	34.1	51.5
1958	25.0	19.5	36.8	52.2	62.7	66.4	72.8	73.9	65.8	56.5	43.1	23.0	49.8
#1959	18.5	27.0	38.9	51.0	66.1	73.6	75.0	77.8	68.1	51.3	32.9	34.7	51.3
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
1974	23.1	29.4	41.1	53.6	59.3	66.7	76.9	72.2	61.1	53.6	39.6	29.9	50.5
RECORD MEAN	24.4	28.0	38.5	51.0	61.5	71.3	75.6	73.7	66.3	54.7	40.3	28.6	51.1
MAX	32.5	36.2	47.8	61.3	72.3	82.1	86.5	84.5	77.3	65.6	49.1	36.1	60.9
MIN	16.3	19.7	29.2	40.6	50.6	60.5	64.6	62.9	55.2	43.8	31.5	21.0	41.3

Heating Degree Days

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1954-55	0	0	36	344	689	1046	1248	1030	836	190	90	41	5550
1955-56	0	0	41	331	874	1194	1208	1014	801	491	124	26	6104
1956-57	0	6	74	129	747	1026	1434	847	824	431	158	9	5685
1957-58	0	0	70	408	758	949	1233	1271	868	381	114	35	6087
1958-59	1	11	72	274	652	1296	1435	1057	800	418	103	5	6124
#1959-60	1	0	66	421	954	930	1171	1183	1308	374	233	18	6659
1960-61	2	0	53	342	724	1278	1351	922	750	612	277	29	6340
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6569
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237	1292	991	736	348	214	42	5838
1974-75	0	1	157	354	756	1081							

Cooling Degree Days

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1969	0	0	0	0	67	122	334	260	80	30	0	0	893
1970	0	0	0	24	99	178	317	239	109	6	0	0	972
1971	0	0	0	14	22	359	217	214	210	37	0	0	1073
1972	0	0	0	0	103	140	273	253	130	3	0	0	902
1973	0	0	0	7	3	211	315	306	121	35	0	0	998
1974	0	0	0	12	43	99	377	233	47	6	0	0	817

Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1935	1.93	2.83	3.32	2.91	8.58	6.62	2.64	0.98	3.33	1.59	4.03	1.39	40.15
1936	1.79	1.63	1.80	1.64	1.72	0.45	1.24	2.27	10.58	3.35	1.18	3.26	30.91
1937	2.86	2.46	1.02	4.42	3.22	4.87	2.32	1.55	1.14	2.69	1.28	2.06	29.89
1938	4.32	2.21	4.42	3.80	5.72	6.76	6.34	3.01	2.12	0.84	1.65	1.43	42.62
1939	3.40	2.88	3.24	5.16	4.48	5.53	4.80	2.38	0.85	3.80	1.14	0.61	38.27
1940	0.58	0.61	2.01	3.83	3.30	1.24	0.84	3.60	0.92	3.25	2.06	1.75	23.99
1941	3.11	1.01	1.48	5.04	6.52	3.38	1.66	2.79	5.32	10.80	2.00	1.46	44.57
1942	1.39	5.18	2.18	3.71	3.48	5.56	4.73	2.24	2.55	0.96	4.58	2.58	39.14
#1943	1.68	1.04	2.43	5.79	7.35	3.49	2.56	4.63	0.88	1.60	1.23	0.58	33.26
1944	0.57	1.74	5.92	8.32	4.12	2.72	1.73	2.86	4.49	1.23	1.33	0.90	35.93
1945	0.49	1.24	3.90	5.58	4.90	5.66	0.57	1.11	7.36	0.74	2.19	2.39	36.13
1946	2.63	0.58	4.22	1.55	5.06	7.41	0.79	3.40	2.32	3.88	5.29	1.76	38.89
1947	1.47	0.33	2.25	8.66	4.63	7.13	1.64	1.33	2.49	3.57	2.54	3.13	39.17
1948	1.25	1.70	3.94	1.81	2.55	3.25	8.18	0.81	1.72	1.18	1.13	2.61	30.13
1949	4.43	1.63	2.57	2.75	1.17	3.25	4.93	1.28	1.62	2.71	0.65	6.34	33.33
1950	4.09	2.75	1.73	8.49	1.45	5.90	4.13	1.67	3.49	0.61	2.04	0.95	37.30
1951	1.58	3.44	3.35	4.09	2.56	4.04	5.81	3.30	2.50	2.97	2.43	1.16	37.23
1952	1.51	1.59	4.10	3.88	3.90	5.68	2.44	4.73	1.77	0.85	3.09	1.89	35.43
1953	1.28	0.77	4.80	2.81	2.16	3.47	6.32	1.61	2.11	0.74	0.43	2.33	28.83
1954	0.89	2.68	3.41	5.47	2.59	6.35	3.82	8.56	0.93	3.27	2.19	1.80	41.96
1955	2.56	2.44	1.76	3.69	3.54	3.20	0.65	4.72	2.62	3.73	0.72	0.36	29.99
1956	0.25	1.11	0.54	3.12	5.20	0.98	4.67	4.47	0.41	0.67	2.30	1.90	25.62
1957	1.70	0.83	2.63	5.61	7.96	3.04	2.00	1.57	1.21	4.34	2.55	3.55	36.99
1958	1.30	0.57	0.39	2.65	3.32	4.86	8.42	3.35	3.15	0.93	2.02	0.49	31.45
1959	1.71	1.84	3.46	2.50	5.09	1.03	2.83	2.25	3.51	3.56	0.96	1.89	30.63
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
1974	3.09	1.65	2.69	4.11	6.26	11.69	2.63	0.81	1.45	2.07	4.13	1.93	42.51
RECORD MEAN	1.81	1.79	2.78	3.52	3.91	3.89	3.77	3.04	3.76	2.45	2.27	2.00	34.99

Snowfall

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1935-36	0.0	0.0	0.0	0.0	0.1	10.9	15.4	7.3	0.9	3.0	0.0	0.0	37.6
1936-37	0.0	0.0	0.0	T	0.1	0.6	4.7	2.0	1.2	T	0.0	0.0	8.6
1937-38	0.0	0.0	0.0	T	4.1	0.8	6.3	7.0	T	6.2	0.0	0.0	24.4
1938-39	0.0	0.0	0.0	T	0.6	0.9	13.6	3.3	T	T	0.0	0.0	18.4
1939-40	0.0	0.0	0.0	0.0	T	8.0	4.3	8.2	2.3	T	T	0.0	22.8
1940-41	0.0	0.0	0.0	0.0	1.3	0.3	9.1	3.3	5.1	0.0	0.0	0.0	19.1
1941-42	0.0	0.0	0.0	0.0	3.5	3.6	3.5	8.9	0.7	T	0.0	0.0	20.2
#1942-43	0.0	0.0	1.0	0.0	3.2	9.5	14.2	6.5	7.7	0.2	0.0	0.0	42.3
1943-44	0.0	0.0	0.0	0.0	0.4	3.0	T	11.0	2.8	0.0	T	0.0	17.2
1944-45	0.0	0.0	0.0	0.0	0.3	8.3	7.0	3.0	2.7	T	0.0	0.0	21.3
1945-46	0.0	0.0	0.0	0.0	0.5	7.0	1.8	3.2	9.9	T	0.0	0.0	22.4
1946-47	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.3	6.8	T	0.0	0.0	22.3
1947-48	0.0	0.0	0.0	0.0	3.6	1.8	4.3	4.0	3.0	0.0	0.0	0.0	16.7
1948-49	0.0	0.0	0.0	0.0	T	2.0	3.2	3.8	0.1	1.2	0.0	0.0	10.3
1949-50	0.0	0.0	0.0	0.0	0.3	3.6	2.1	10.7	2.0	T	T	0.0	18.7
1950-51	0.0	0.0	0.0	T	4.8	8.3	4.8	5.4	10.2	2.1	0.0	0.0	35.6
1951-52	0.0	0.0	0.0	0.0	8.9	9.8	2.3	6.5	4.8	T	0.0	0.0	32.3
1952-53	0.0	0.0	0.0	0.0	T	2.4	5.2	0.4	3.2	2.6	0.0	0.0	13.8
1953-54	0.0	0.0	0.0	0.0	1.8	4.3	0.1	2.8	4.3	0.0	T	0.0	13.3
1954-55	0.0	0.0	0.0	T	4.0	8.2	12.0	3.1	5.6	0.0	0.0	0.0	32.9
1955-56	0.0	0.0	0.0	T	2.2	2.3	1.8	5.2	4.5	T	0.0	0.0	16.0
1956-57	0.0	0.0	0.0	0.0	2.8	9.1	10.0	0.5	8.2	1.6	0.0	0.0	32.2
1957-58	0.0	0.0	0.0	T	0.4	5.4	11.0	1.5	0.4	T	0.0	0.0	18.7
1958-59	0.0	0.0	0.0	0.0	1.0	5.0	11.6	2.6	4.2	T	0.0	0.0	24.4
1959-60	0.0	0.0	0.0	0.0	7.0	2.4	3.3	12.0	16.9	T	T	0.0	41.6
1960-61	0.0	0.0	0.0	0.0	0.3	4.6	3.5	5.3	0.7	1.2	0.0	0.0	15.6
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9	6.7	1.9	0.9	1.2	0.0	0.0	29.7
1974-75	0.0	0.0	0.0	0.0	9.1	6.2							
RECORD MEAN	0.0	0.0	0.0	0.1	2.1	5.6	5.5	4.5	4.7	0.6	T	0.0	23.1

# Indicates a station move or relocation of instruments. See Station Location table.

Record mean values above are means through the current year for the period beginning in 1905 for temperature, 1856 for precipitation and 1944 for snowfall.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground								Sea level	
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyranometer	
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40° 41'	89° 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40° 41'	89° 36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40° 41'	89° 36'	460										
Corner of Pecan & Meyer	1869	1872	9 blks. WSW	40° 41'	89° 36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40° 41'	89° 36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40° 41'	89° 36'	495										
701 Fourth Street	1889	1905	9 blks.NW	40° 42'	89° 36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40° 43'	89° 36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Bldg. Municipal Airport 5 miles WSW of P. O.	3/01/35	5/04/43		40° 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Bldg. Municipal Airport	5/04/43	10/01/59	Not moved	40° 40'	89° 41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg. Greater Peoria Airport	10/01/59	Present	2300 feet WNW	40° 40'	89° 41'	652	20	6	6		4	4	4	5		

Requests for additional climatic information should be addressed to: Director, National Climatic Center, Federal Building, Asheville, N. C. 28801

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L CLIMATOLOGICAL DATA
SUMMARY WITH COMPARATIVE DATA

PEORIA, ILLINOIS

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U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

NARRATIVE CLIMATOLOGICAL SUMMARY

The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

The Airport Station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim [illegible] the Illinois River Valley and is almost 200 [illegible]et above the river bed. Exposures of all instruments are good.

Monthly mean temperatures range from 25° during January to 76° during July with an annual average of 51°. Illustrating the extreme conditions that have occurred, the single year of 1936 had 17 days with temperatures 100° or higher in July while the early part of that same year had 26 zero days in a 31-day period. 1936 also had the absolute maximum record of 113° set on July 15, but the absolute minimum of -27° dates back to January of 1884. June and September are usually the most pleasant months of the year. Then during October or first of November, "Indian Summer" is often experienced with an extended period of warm dry weather.

The average date for the last occurrence in the spring of temperatures as low as 32° is April 16 with the latest date occurring on May 12 in 1960. The average date for the first occurrence in the fall of temperatures as low as 32° is October 21 with the earliest date occurring on September 26 in 1928. The average growing season is 189 days with the longest growing season of record of 214 days occurring in 1931, while the shortest was 151 days in 1928.

The normal annual precipitation is 34.84 inches with individual years ranging from 23.18 inches in 1910 to 53.26 inches in 1858. Precipitation is normally heaviest during the growing season and at a minimum during midwinter. However, the wettest month on record was September in 1961 with 13.09 inches; and the driest was October of 1964 with only 0.03 of an inch. The maximum amount of rainfall occurring in any 24-hour period was 5.52 inches in May of 1927. Maximum amounts recorded for shorter periods are: for 5 minutes, 0.75 of an inch; for 15 minutes, 1.26 inches; for 30 minutes, 2.10 inches; and for 60 minutes, 2.60 inches.

Annual snowfall has ranged from only 6.0 inches in 1928 to 45.7 inches in 1926. The earliest snow of record occurred on September 25, 1942, when 1.0 inch fell; while traces have occurred as late in the spring as May 9. The heaviest single storm of record brought 18 inches during the last 2 days of February in 1900.

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METEOROLOGICAL DATA FOR THE CURRENT YEAR

Station: PEORIA, ILLINOIS GREATER PEORIA AIRPORT Standard time used: CENTRAL Latitude: 40° 40' N Longitude: 89° 41' W Elevation (ground): 652 feet Year: 1973

Month	Temperature							Degree days (Base 65°)		Precipitation						Relative humidity				Wind &								Number of days											
	Averages			Extremes									Snow, Ice pellets			Hour 00 (Local time)	Hour 06	Hour 12	Hour 18	Resultant			Fastest mile					Sunrise to sunset							Temperatures Maximum		Minimum		
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date	Heating	Cooling	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date					Direction	Speed	Average speed	Speed	Direction #	Date	Percent of possible sunshine	Average sky cover sunrise to sunset	Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog	90° and above ‡	32° and below	32° and below	0° and below	Average daily solar radiation - langleys
JAN	35.2	19.5	27.4	57	25	-2	10	1161	0	1.76	0.97	3	0.8	0.8	28	82	83	71	76	23	2.8	11.3	29	N	28	47	7.4	6	4	21	6	0	0	0	0	12	28	1	
FEB	36.6	21.2	28.9	59	24	-5	17	1005	0	0.99	0.35	13	2.7	1.2	7	84	85	72	75	25	1.3	10.2	28	NW	21	50	6.7	7	5	16	6	1	0	3	0	9	25	3	
MAR	54.6	38.4	46.5	72	14	25	18	566	0	6.95	1.83	6-7	1.2	1.2	16-17	77	83	67	71	08	3.3	11.6	31	NW	7	37	8.0	4	5	22	19	1	6	8	0	0	6	0	
APR	60.4	41.4	50.9	78	20	22	11	423	7	4.26	1.70	20-21	0.7	0.7	9-10	76	81	60	62	19	2.4	11.5	34	S	20	35	7.7	5	5	20	16	0	5	1	0	0	5	0	
MAY	68.1	47.7	57.9	80	24	34	17+	216	3	4.51	1.41	7-8	0.0	0.0		80	83	58	58	24	3.3	9.7	33	SW	1	42	6.9	5	10	16	15	0	6	0	0	0	0	0	
JUN	82.6	60.9	71.8	94	16	50	29	0	211	6.46	1.65	18	0.0	0.0		79	81	58	61	21	4.1	8.8	54	NW	16	58	5.3	12	8	10	11	0	11	0	1	0	0	0	
JUL	84.7	65.2	75.0	92	13+	58	16+	0	315	6.04	2.14	19-20	0.0	0.0		80	83	60	63	20	0.9	6.9	28	S	23	49	5.8	8	10	13	11	0	9	1	4	0	0	0	
AUG	84.4	64.9	74.7	94	27	53	21	0	306	0.90	0.50	11-12	0.0	0.0		81	86	61	67	18	2.8	6.9	25	S	29	53	5.2	12	10	9	7	0	6	1	6	0	0	0	
SEP	76.2	57.7	67.0	90	1	40	18	54	121	7.58	1.70	3-4	0.0	0.0		85	89	65	72	14	1.6	7.6	24	W	17	46	7.5	4	7	19	14	0	7	0	1	0	0	0	
OCT	67.9	47.5	57.7	82	9	33	17	253	35	5.18	1.90	12-13	0.0	0.0		79	87	62	69	22	2.7	7.4	25	S	11+	55	5.9	8	8	15	11	0	4	3	0	0	0	0	
NOV	51.6	33.1	42.4	67	14	15	10	671	0	1.48	0.95	20-21	0.1	0.1	8	83	84	66	74	20	1.3	8.8	29	SE	20	37	7.6	5	3	22	8	0	1	6	0	0	13	0	
DEC	32.1	17.5	24.8	64	2	-12	21	1237	0	4.11	1.56	4	18.9	10.2	18-19	86	87	78	83	20	0.6	10.8	32	SW	4	35	7.5	6	3	22	16	6	1	2	0	17	27	4	
YEAR	61.2	42.9	52.1	94	AUG. 27+	-12	DEC. 21	5586	998	50.22	2.14	JUL. 19-20	24.4	10.2	DEC. 18-19	81	84	65	69	20	1.6	9.3	54	NW	JUN. 16	46	6.8	82	78	205	142	8	56	25	12	38	104	8	

NORMALS, MEANS, AND EXTREMES

Month	Temperature							Normal heating degree days (Base 65°)	Precipitation												Relative humidity				Wind &					Pct. of possible sunshine	Mean sky cover sunrise to sunset	Mean number of days											
	Normal			Extremes												Snow, Ice pellets					Hour 00 (Local time)	Hour 06	Hour 12	Hour 18			Fastest mile					Sunrise to sunset							Temperatures Max.		Min.		
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year		Normal total	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Mean total	Maximum monthly	Year	Maximum in 24 hrs.	Year					Mean speed	Prevailing direction	Speed	Direction #	Year			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog	90 and above ‡	32° and below	32° and below	0° and below	Average daily solar radiation - langleys
(a)	(b)	(b)	(b)	14		14		(b)	(b)	34		34		30		30	30		30		14	14	14	14	30	9	30	30		30	30	30	30	30	34	30	30	30	14	14	14	14	
J	31.9	15.7	23.8	66	1967	-20	1963	1277	1.82	8.11	1965	0.25	1956	4.45	1965	5.5	12.0	1955	9.0	1967	76	77	68	71	11.3	S	54	S	1950	46	6.8	8	5	18	9	2	1	3	0	18	29	7	
F	36.0	19.3	27.7	70	1972	-13	1963	1044	1.50	5.18	1942	0.33	1947	1.92	1954	4.6	12.0	1960	7.6	1944	78	79	66	70	11.6	WNW	52	W	1953	50	6.6	7	6	15	8	1	1	3	0	12	27	2	
M	46.5	28.1	37.3	81	1967	-10	1960	859	2.80	6.95	1973	0.39	1958	3.39	1944	4.9	16.9	1960	9.0	1946	77	81	64	66	12.3	WNW	56	W	1959+	52	6.9	7	7	17	11	2	3	2	0	5	21	*	
A	61.7	40.8	51.3	87	1970	19	1972	416	4.36	8.66	1947	0.71	1971	5.06	1950	0.6	4.6	1970	3.6	1970	72	78	57	56	12.3	S	66	SW	1947	55	6.7	6	8	16	12	*	5	1	0	0	6	0	
M	72.3	50.7	61.5	91	1967	25	1966	180	3.87	7.96	1957	1.04	1964	3.62	1956	T	0.1	1966	0.1	1966	75	81	57	56	10.5	S	61	SW	1950	60	6.3	7	10	14	12	0	7	1	*	0	1	0	
J	81.7	60.9	71.3	100	1971	40	1969	17	3.91	7.41	1946	0.98	1971+	3.73	1968	0.0	0.0		0.0		76	81	56	56	9.2	S	66	N	1953	66	6.0	7	11	12	10	0	9	1	5	0	0	0	
J	85.5	64.6	75.1	102	1966	47	1972+	0	3.76	8.42	1958	0.57	1945	3.56	1953	0.0	0.0		0.0		81	86	59	60	8.1	S	75	NW	1953	68	5.5	9	12	10	9	0	8	1	6	0	0	0	
A	84.0	62.9	73.5	99	1964	44	1967+	8	3.07	8.61	1965	0.81	1948	4.32	1955	0.0	0.0		0.0		82	87	59	62	7.9	S	65	W	1956	68	5.2	11	10	10	8	0	6	1	4	0	0	0	
S	76.4	54.6	65.5	94	1960	34	1967	70	3.55	13.09	1961	0.41	1956	4.15	1961	0.0	0.0		0.0		82	88	60	65	8.8	S	73	W	1965	65	5.1	12	8	10	9	0	5	1	2	0	0	0	
O	65.9	44.0	55.0	90	1963	19	1972+	327	2.51	10.80	1941	0.03	1964	3.70	1969	0.1	1.8	1967	1.8	1967	77	85	58	63	9.5	S	60	SW	1958	62	5.1	12	8	11	7	*	3	2	*	0	4	0	
N	48.7	31.1	39.9	77	1964+	4	1964	753	2.02	5.29	1946	0.43	1953	2.45	1946	1.9	8.9	1951	7.2	1951	79	83	66	70	11.2	S	56	W	1964+	45	6.7	7	7	16	8	1	1	2	0	1	17	0	
D	35.7	20.3	28.0	71	1970	-18	1963	1147	1.89	6.34	1949	0.33	1962	3.38	1949	5.6	18.9	1973	10.2	1973	81	83	72	76	11.0	S	58	SW	1948	40	7.0	7	5	19	10	2	1	3	0	15	26	3	
YR	60.5	41.1	50.8	102	JUL. 1966	-20	JAN. 1963	6098	35.06	13.09	SEP. 1961	0.03	OCT. 1964	5.06	APR. 1950	23.2	18.9	DEC. 1973	10.2	DEC. 1973	78	82	62	64	10.3	S	75	NW	JUL. 1953	58	6.1	100	97	168	111	8	49	21	17	50	132	12	

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 113 in July 1936; lowest temperature -27 in January 1884; maximum precipitation in 24 hours 5.52 in May 1927; maximum monthly snowfall 26.5 in February 1900; maximum snowfall in 24 hours 18.0 in February 1900.

(a) Length of record, years, based on January data. Other months may be for more or fewer years if there have been breaks in the record.
(b) Climatological normals (1941-1970).
* Less than one half.
+ Also on earlier dates, months, or years.
T Trace, an amount too small to measure.
— Below zero temperatures are preceded by a minus sign.
‡ ≦ 70° at Alaskan stations.

The prevailing direction for wind in the Normals, Means, and Extremes table is from records through 1963.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation, including snowfall, in inches; wind movement in miles per hour; and relative humidity in percent. Heating degree day totals are the sums of negative departures of average daily temperatures from 65° F. Cooling degree day totals are the sums of positive departures of average daily temperatures from 65° F. Sleet was included in snowfall totals beginning with July 1948. The term "ice pellets" includes solid grains of ice (sleet) and particles consisting of snow pellets encased in a thin layer of ice. Heavy fog reduces visibility to 1/4 mile or less.

Sky cover is expressed in a range of 0 for no clouds or obscuring phenomena to 10 for complete sky cover. The number of clear days is based on average cloudiness 0-3, partly cloudy days 4-7, and cloudy days 8-10 tenths.

Solar radiation data are the averages of direct and diffuse radiation on a horizontal surface. The langley denotes one gram calorie per square centimeter.

& Figures instead of letters in a direction column indicate direction in tens of degrees from true North; i.e., 09 - East, 18 - South, 27 - West, 36 - North, and 00 - Calm. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. If figures appear in the direction column under "Fastest mile" the corresponding speeds are fastest observed 1-minute values.

# To 8 compass points only.

AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1934	31.7	23.8	34.1	51.6	68.7	79.2	81.0	74.4	63.8	57.4	46.0	26.0	53.1
1935	26.2	31.4	44.3	48.4	55.8	67.4	79.2	74.8	68.8	54.4	38.6	23.2	50.8
1936	17.2	14.8	41.9	48.2	67.0	72.0	84.3	80.3	70.5	54.2	37.8	33.8	51.8
1937	23.5	27.8	36.2	49.7	63.2	70.6	75.8	78.3	65.8	52.2	36.7	26.8	50.6
1938	26.2	36.7	47.4	53.3	62.2	69.9	76.5	77.2	68.1	60.3	43.0	30.0	54.2
1939	33.2	27.5	41.0	47.7	66.2	73.0	76.2	73.2	71.7	57.1	41.2	33.9	53.4
1940	13.3	29.4	35.9	49.8	58.9	72.6	77.4	74.8	66.6	59.0	38.2	34.0	50.9
1941	28.4	25.7	35.4	56.0	66.8	73.4	77.0	76.2	69.7	58.0	43.3	36.4	53.9
1942	25.6	26.8	42.0	56.1	61.9	71.9	76.3	73.4	64.6	55.2	41.4	24.6	51.7
*1943	24.3	30.6	35.4	48.8	58.8	73.2	76.1	75.6	61.9	53.8	36.4	26.2	49.9
1944	31.0	29.4	34.4	47.4	66.4	74.2	74.6	73.8	66.2	54.4	43.0	22.2	51.4
1945	19.8	29.6	49.4	51.6	55.6	66.4	72.4	74.0	65.4	51.5	39.6	21.6	49.8
1946	27.2	30.8	50.1	54.2	58.2	70.4	76.1	69.9	65.8	59.0	42.8	33.0	53.1
1947	28.5	21.5	32.7	49.8	56.8	68.0	72.4	82.0	68.2	63.2	35.0	31.3	50.8
1948	20.2	27.6	37.5	55.0	59.6	70.6	74.8	74.3	69.0	52.2	42.8	31.4	51.2
1949	26.5	27.5	39.0	50.6	64.4	74.7	78.4	74.5	60.4	57.4	42.3	33.3	52.4
1950	29.2	26.9	34.6	44.3	63.6	69.9	72.4	69.0	65.8	60.1	34.0	20.8	49.2
1951	24.3	27.9	34.7	47.9	63.9	68.4	73.8	71.7	62.3	55.2	33.3	26.1	49.1
1952	27.2	33.0	34.1	52.4	60.9	76.7	77.0	72.6	65.7	48.4	42.5	32.3	52.1
1953	28.4	32.9	39.9	47.0	61.7	75.8	77.0	75.1	67.2	59.0	43.0	31.1	53.2
1954	27.4	37.5	35.4	55.6	57.5	75.5	77.8	73.8	69.1	55.4	41.8	31.1	53.1
1955	24.5	28.1	37.8	58.7	64.3	68.4	80.9	77.8	67.6	54.3	35.6	26.3	52.0
1956	25.9	29.8	38.9	45.8	64.3	74.1	73.7	74.1	65.5	61.6	39.9	31.8	52.4
1957	18.5	34.5	38.3	51.1	61.1	71.7	77.6	75.2	64.8	51.6	39.5	34.1	51.5
1958	25.0	19.5	36.8	52.2	62.7	66.4	72.8	73.9	65.8	56.5	43.1	23.0	49.8
*1959	18.5	27.0	38.9	51.0	66.1	73.6	75.0	77.8	68.1	51.3	32.9	34.7	51.3
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
1973	27.4	28.9	46.5	50.9	57.9	71.8	75.0	74.7	67.0	57.7	42.4	24.8	52.1
RECORD MEAN	24.4	28.0	38.5	51.0	61.5	71.4	75.6	73.8	66.4	54.7	40.3	28.6	51.2
MAX	32.5	36.2	47.8	61.3	72.4	82.2	86.5	84.6	77.4	65.6	49.1	36.1	61.0
MIN	16.3	19.7	29.2	40.6	50.6	60.6	64.6	62.9	55.3	43.8	31.5	21.0	41.3

HEATING DEGREE DAYS

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1934-35	0	14	108	244	574	1208	1205	941	642	510	288	56	5790
1935-36	0	26	94	346	791	1297	1481	1455	717	521	72	12	6812
1936-37	0	0	58	350	815	967	1277	1039	892	465	137	22	6022
1937-38	0	0	115	427	853	1186	1205	807	544	377	161	6	5681
1938-39	0	0	81	206	665	1088	1019	1050	749	527	92	18	5495
1939-40	0	0	49	305	715	965	1602	1030	903	456	218	2	6245
1940-41	0	12	95	204	804	964	1136	1105	919	298	89	4	5630
1941-42	0	3	61	243	660	886	1221	1072	716	300	182	34	5378
#1942-43	0	8	169	317	706	1285	1262	967	923	465	228	25	6395
1943-44	0	1	151	354	860	1204	1056	1031	950	529	131	20	6287
1944-45	0	10	69	338	661	1328	1398	991	484	404	312	77	6072
1945-46	6	4	102	418	766	1347	1170	957	460	343	231	46	5850
1946-47	0	12	76	216	665	988	1133	1219	1005	456	263	48	6081
1947-48	6	0	109	119	895	1045	1390	1087	854	330	180	14	6029
1948-49	0	4	39	398	664	1040	1191	1050	805	434	107	3	5735
1949-50	0	0	168	266	682	984	1105	1062	936	613	97	36	5949
1950-51	2	18	62	191	925	1364	1254	1033	931	528	123	24	6455
1951-52	1	2	119	334	944	1198	1163	919	891	390	184	4	6149
1952-53	0	2	80	514	670	1005	1125	896	773	533	172	0	5770
1953-54	0	0	62	231	654	1045	1159	766	910	304	247	31	5409
1954-55	0	0	36	344	689	1046	1248	1030	836	190	90	41	5550
1955-56	0	0	41	331	874	1194	1208	1014	801	491	124	26	6104
1956-57	0	6	74	129	747	1026	1434	847	824	431	158	9	5685
1957-58	0	0	70	408	758	949	1233	1271	868	381	114	35	6087
1958-59	1	11	72	274	652	1296	1435	1057	800	418	103	5	6124
#1959-60	1	0	66	421	954	930	1171	1183	1308	374	233	18	6659
1960-61	2	0	53	342	724	1278	1351	922	750	612	277	29	6340
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6569
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687.
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271	1161	1005	566	423	216	0	6073
1973-74	0	0	54	253	671	1237							

TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1934	1.05	0.77	1.76	1.13	0.47	2.82	5.44	2.30	6.57	1.97	4.81	1.34	30.43
1935	1.93	2.83	3.32	2.91	8.58	6.62	2.64	0.98	3.33	1.59	4.03	1.39	40.15
1936	1.79	1.63	1.80	1.64	1.72	0.45	1.24	2.27	10.58	3.35	1.18	3.26	30.91
1937	2.86	2.46	1.02	4.42	3.22	4.87	2.32	1.55	1.14	2.69	1.28	2.06	29.89
1938	4.32	2.21	4.42	3.80	5.72	6.76	6.34	3.01	2.12	0.84	1.65	1.43	42.62
1939	3.40	2.88	3.24	5.16	4.48	5.53	4.80	2.38	0.85	3.80	1.14	0.61	38.27
1940	0.58	0.61	2.01	3.83	3.30	1.24	0.84	3.60	0.92	3.25	2.06	1.75	23.99
1941	3.11	1.01	1.48	5.04	6.52	3.38	1.66	2.79	5.32	10.80	2.00	1.46	44.57
1942	1.39	5.18	2.18	3.71	3.48	5.56	4.73	2.24	2.55	0.96	4.58	2.58	39.14
*1943	1.68	1.04	2.43	5.79	7.35	3.49	2.56	4.63	0.88	1.60	1.23	0.58	33.26
1944	0.57	1.74	5.92	8.32	4.12	2.72	1.73	2.86	4.49	1.23	1.33	0.90	35.93
1945	0.49	1.24	3.90	5.58	4.90	5.66	0.57	1.11	7.36	0.74	2.19	2.39	36.13
1946	2.63	0.58	4.22	1.55	5.06	7.41	0.79	3.40	2.32	3.88	5.29	1.76	38.89
1947	1.47	0.33	2.25	8.66	4.63	7.13	1.64	1.33	2.49	3.57	2.54	3.13	39.17
1948	1.25	1.70	3.94	1.61	2.55	3.25	8.18	0.81	1.72	1.18	1.13	2.61	30.13
1949	4.43	1.63	2.57	2.75	1.17	3.25	4.93	1.28	1.62	2.71	0.65	6.34	33.33
1950	4.09	2.75	1.73	8.49	1.45	5.90	4.13	1.67	3.49	0.61	2.04	0.95	37.30
1951	1.58	3.44	3.35	4.09	2.56	4.04	5.81	3.30	2.50	2.97	2.43	1.16	37.23
1952	1.51	1.59	4.10	3.88	3.90	5.68	2.44	4.73	1.77	0.85	3.09	1.89	35.43
1953	1.28	0.77	4.80	2.81	2.16	3.47	6.32	1.61	2.11	0.74	0.43	2.33	28.83
1954	0.89	2.68	3.41	5.47	2.59	6.35	3.82	8.56	0.93	3.27	2.19	1.80	41.96
1955	2.56	2.44	1.76	3.69	3.54	3.20	0.65	4.72	2.62	3.73	0.72	0.36	29.99
1956	0.25	1.11	0.54	3.12	5.20	0.98	4.67	4.47	0.41	0.67	2.30	1.90	25.62
1957	1.70	0.83	2.63	5.61	7.96	3.04	2.00	1.57	1.21	4.34	2.55	3.55	36.99
1958	1.30	0.57	0.39	2.65	3.32	4.86	8.42	3.35	3.15	0.93	2.02	0.49	31.45
1959	1.71	1.84	3.46	2.50	5.09	1.03	2.83	2.25	3.51	3.56	0.96	1.89	30.63
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.69	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.92
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.60	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.62	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
1973	1.76	0.99	6.95	4.26	4.51	6.46	6.04	0.90	7.58	5.18	1.48	4.11	50.22
RECORD MEAN	1.80	1.79	2.78	3.51	3.89	3.83	3.78	3.06	3.76	2.45	2.25	2.00	34.92

TOTAL SNOWFALL

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1934-35	0.0	0.0	0.0	0.0	0.0	8.2	0.1	1.2	0.1	3.0	0.0	0.0	12.6
1935-36	0.0	0.0	0.0	0.0	0.1	10.9	15.4	7.3	0.9	3.0	0.0	0.0	37.6
1936-37	0.0	0.0	0.0	T	0.1	0.6	4.7	2.0	1.2	T	0.0	0.0	8.6
1937-38	0.0	0.0	0.0	T	4.1	0.8	6.3	7.0	T	6.2	0.0	0.0	24.4
1938-39	0.0	0.0	0.0	T	0.6	0.9	13.6	3.3	T	T	0.0	0.0	18.4
1939-40	0.0	0.0	0.0	0.0	T	8.0	4.3	8.2	2.3	T	T	0.0	22.8
1940-41	0.0	0.0	0.0	0.0	1.3	0.3	9.1	3.3	5.1	0.0	0.0	0.0	19.1
1941-42	0.0	0.0	0.0	0.0	3.5	3.6	3.5	8.9	0.7	T	0.0	0.0	20.2
#1942-43	0.0	0.0	1.0	0.0	3.2	9.5	14.2	6.5	7.7	0.2	0.0	0.0	42.3
1943-44	0.0	0.0	0.0	0.0	0.4	3.0	T	11.0	2.8	0.0	T	0.0	17.2
1944-45	0.0	0.0	0.0	0.0	0.3	8.3	7.0	3.0	2.7	T	0.0	0.0	21.3
1945-46	0.0	0.0	0.0	0.0	0.5	7.0	1.8	3.2	9.9	T	0.0	0.0	22.4
1946-47	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.3	6.8	T	0.0	0.0	22.3
1947-48	0.0	0.0	0.0	0.0	3.6	1.8	4.3	4.0	3.0	0.0	0.0	0.0	16.7
1948-49	0.0	0.0	0.0	0.0	T	2.0	3.2	3.8	0.1	1.2	0.0	0.0	10.3
1949-50	0.0	0.0	0.0	0.0	0.3	3.6	2.1	10.7	2.0	T	T	0.0	18.7
1950-51	0.0	0.0	0.0	T	4.8	8.3	4.8	5.4	10.2	2.1	0.0	0.0	35.6
1951-52	0.0	0.0	0.0	0.0	8.9	9.8	2.3	6.5	4.8	T	0.0	0.0	32.3
1952-53	0.0	0.0	0.0	0.0	T	2.4	5.2	0.4	3.2	2.6	0.0	0.0	13.8
1953-54	0.0	0.0	0.0	0.0	1.8	4.3	0.1	2.8	4.3	0.0	T	0.0	13.3
1954-55	0.0	0.0	0.0	T	4.0	8.2	12.0	3.1	5.6	0.0	0.0	0.0	32.9
1955-56	0.0	0.0	0.0	T	2.2	2.3	1.8	5.2	4.5	T	0.0	0.0	16.0
1956-57	0.0	0.0	0.0	0.0	2.8	9.1	10.0	0.5	8.2	1.6	0.0	0.0	32.2
1957-58	0.0	0.0	0.0	T	0.4	5.4	11.0	1.5	0.4	T	0.0	0.0	18.7
1958-59	0.0	0.0	0.0	0.0	1.0	5.0	11.6	2.6	4.2	T	0.0	0.0	24.4
1959-60	0.0	0.0	0.0	0.0	7.0	2.4	3.3	12.0	16.9	T	T	0.0	41.6
1960-61	0.0	0.0	0.0	0.0	0.3	4.6	3.5	5.3	0.7	1.2	0.0	0.0	15.6
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	[illegible]	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7	0.8	2.7	1.2	0.7	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.1	18.9							

Record mean values above (not adjusted for instrument location changes listed in the Station Location table) are means for the period beginning in 1905 for temperature and 1856 for precipitation.

# Indicates a break in the data sequence during the year, or season, due to a station move or relocation of instruments. See Station Location table.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground								Sea level	
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyranometer	
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40° 41'	89° 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40° 41'	89° 36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40° 41'	89° 36'	460										
Corner of Pecan & Meyer	1869	1872	9 blks. WSW	40° 41'	89° 36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40° 41'	89° 36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40° 41'	89° 36'	495										
701 Fourth Street	1889	1905	9 blks. NW	40° 42'	89° 36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40° 43'	89° 36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Bldg. Municipal Airport 5 miles WSW of P. O.	3/01/35	5/04/43		40° 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Bldg. Municipal Airport	5/04/43	10/01/59	Not moved	40° 40'	89° 41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg. Greater Peoria Airport	10/01/59	Present	2300 feet WNW	40° 40'	89° 41'	652	20	6	6		4	4	4	5		

Requests for additional climatic information should be addressed to: Director, National Climatic Center, Federal Building, Asheville, N. C. 28801

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LOCAL CLIMATOLOGICAL DATA

ANNUAL SUMMARY WITH COMPARATIVE DATA

PEORIA, ILLINOIS

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

NARRATIVE CLIMATOLOGICAL SUMMARY

The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

The Airport Station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good.

Monthly mean temperatures range from 25° during January to 76° during July with an annual average of 51°. Illustrating the extreme conditions that have occurred, the single year of 1936 had 17 days with temperatures 100° or higher in July while the early part of that same year had 26 zero days in a 31-day period. 1936 also had the absolute maximum record of 113° set on July 15, but the absolute minimum of -27° dates back to January of 1884. June and September are usually the most pleasant months of the year. Then during October or first of November, "Indian Summer" is often experienced with an extended period of warm dry weather.

The average date for the last occurrence in the spring of temperatures as low as 32° is April 16 with the latest date occurring on May 12 in 1960. The average date for the first occurrence in the fall of temperatures as low as 32° is October 21 with the earliest date occurring on September 26 in 1928. The average growing season is 189 days with the longest growing season of record of 214 days occurring in 1931, while the shortest was 151 days in 1928.

The normal annual precipitation is 34.84 inches with individual years ranging from 23.18 inches in 1910 to 53.26 inches in 1858. Precipitation is normally heaviest during the growing season and at a minimum during midwinter. However, the wettest month on record was September in 1961 with 13.09 inches; and the driest was October of 1964 with only 0.03 of an inch. The maximum amount of rainfall occurring in any 24-hour period was 5.52 inches in May of 1927. Maximum amounts recorded for shorter periods are: for 5 minutes, 0.75 of an inch; for 15 minutes, 1.26 inches; for 30 minutes, 2.10 inches; and for 60 minutes, 2.60 inches.

Annual snowfall has ranged from only 6.0 inches in 1928 to 45.7 inches in 1926. The earliest snow of record occurred on September 25, 1942, when 1.0 inch fell; while traces have occurred as late in the spring as May 9. The heaviest single storm of record brought 18 inches during the last 2 days of February in 1900.

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METEOROLOGICAL DATA FOR THE CURRENT YEAR

Station: PEORIA, ILLINOIS GREATER PEORIA AIRPORT Standard time used: CENTRAL Latitude: 40° 40' N Longitude: 89° 41' W Elevation (ground): 652 feet Year: 1972

Month	Temperature							Degree days (Base 65°)		Precipitation						Relative humidity				Wind &						Percent of possible sunshine	Average sky cover sunrise to sunset	Number of days											Average daily solar radiation - langleys
	Averages			Extremes									Snow, Ice pellets			(Local time)				Resultant			Fastest mile					Sunrise to sunset							Temperatures				
																																			Maximum		Minimum		
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date	Heating	Cooling	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date	Hour 00	Hour 06	Hour 12	Hour 18	Direction	Speed	Average speed	Speed	Direction #	Date			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog	90° and above ‡	32° and below	32° and below	0° and below	
JAN	28.5	10.8	19.7	50	18	-18	15	1402	0	0.81	0.25	13	10.2	3.6	27-28	75	76	67	69	25	3.2	11.2	37	W	24	52	6.1	11	3	17	10	4	0	4	0	14	31	11	
FEB	33.8	15.2	24.5	70	29	-7	7+	1167	0	0.74	0.14	23	6.2	2.0	10 +	81	82	71	74	28	2.0	11.0	33	NW	18	55	7.0	6	6	17	11	2	0	1	0	12	28	4	
MAR	46.9	26.9	36.9	79	11	10	5	866	0	2.48	1.13	12-13	8.0	5.1	29	69	73	58	60	32	1.4	12.5	34	NW	12	57	7.3	6	5	20	10	3	1	2	0	3	23	0	
APR	59.3	38.5	48.9	79	18	19	8	475	0	4.38	1.08	19	0.9	1.4	31-1	73	78	60	61	12	2.5	11.2	32	NE	7	51	7.5	5	6	19	12	0	8	1	0	0	10	0	
MAY	74.8	51.6	63.2	89	22	37	9	150	103	1.30	0.69	12-13	0.0	0.0		71	77	49	50	18	0.6	8.6	30	SW	2	74	5.8	9	11	11	11	0	9	0	0	0	0	0	
JUN	80.3	55.6	68.0	93	3	41	11	42	140	5.97	1.84	19	0.0	0.0		71	77	53	52	02	0.2	8.6	30	S	14	76	5.4	8	14	8	8	0	8	1	2	0	0	0	
JUL	82.8	63.6	73.2	92	22	47	5	9	273	3.54	1.40	17-18	0.0	0.0		86	91	65	66	18	2.1	6.8	29	NW	14	50	7.1	7	4	20	10	0	7	0	4	0	0	0	
AUG	81.9	62.8	72.4	92	18+	48	9	19	253	4.26	1.78	22-23	0.0	0.0		84	87	64	68	21	2.7	7.3	25	NW	6	58	6.1	5	14	12	10	0	6	1	4	0	0	0	
SEP	75.1	57.3	66.2	88	20+	35	30	87	130	5.21	2.64	13-14	0.0	0.0		84	87	66	71	16	2.4	9.0	28	NE	19	41	7.2	4	9	17	13	0	9	3	0	0	0	0	
OCT	58.6	41.3	50.0	78	2	19	19	461	3	2.50	1.23	21-22	0.3	0.3	18	80	89	68	73	17	1.5	8.8	26	SW	23	36	7.3	6	4	21	11	0	3	3	0	0	5	0	
NOV	41.1	31.3	36.2	60	2+	17	29	855	0	2.56	0.84	12-13	7.3	3.0	19	85	87	78	81	26	1.0	9.3	27	NE	13	17	9.0	0	4	26	13	3	0	1	0	2	18	0	
DEC	30.1	17.4	23.8	57	2	-9	11	1271	0	2.48	1.45	11-12	4.7	2.1	11-12	81	83	77	80	24	2.8	10.3	26	NW	26+	29	8.3	3	3	25	13	1	1	7	0	21	30	6	
YEAR	57.8	39.4	48.6	93	JUN. 3	-18	JAN. 15	6804	902	36.23	2.64	SEP. 13-14	37.6	5.1	MAR. 29	78	82	65	67	21	1.1	9.6	37	W	JAN. 24	52	7.0	70	83	213	132	13	52	24	10	52	145	21	

NORMALS, MEANS, AND EXTREMES

Month	Temperature							Normal heating degree days (Base 65°)	Precipitation												Relative humidity				Wind &					Pct. of possible sunshine	Mean sky cover sunrise to sunset	Mean number of days											Average daily solar radiation - langleys
	Normal			Extremes												Snow, Ice pellets					(Local time)						Fastest mile					Sunrise to sunset							Temperatures				
																																							Max.		Min.		
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year		Normal total	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Mean total	Maximum monthly	Year	Maximum in 24 hrs.	Year	Hour 00	Hour 06	Hour 12	Hour 18	Mean speed	Prevailing direction	Speed	Direction #	Year			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog	90° and above ‡	32° and below	32° and below	0° and below	
(a)	(b)	(b)	(b)	13		13		(b)	(b)	33		33		29		29	29		29		13	13	13	13	29	9	29	29		29	29	29	29	29	33	29	29	29	13	13	13	13	
J	33.7	17.6	25.7	66	1967	-20	1963	1218	1.88	8.11	1965	0.25	1956	4.45	1965	5.6	12.0	1955	9.0	1967	76	77	68	71	11.3	S	54	S	1950	46	6.7	8	5	18	9	2	1	3	0	18	29	7	
F	36.6	20.1	28.4	70	1972	-13	1963	1025	1.71	5.18	1942	0.33	1947	1.92	1954	4.6	12.0	1960	7.6	1944	77	79	65	69	11.6	WNW	52	W	1953	50	6.6	7	6	15	8	1	1	3	0	12	27	2	
M	46.7	28.4	37.6	81	1967	-10	1960	849	2.85	5.92	1944	0.39	1958	3.39	1944	5.0	16.9	1960	9.0	1946	77	81	63	65	12.3	WNW	56	W	1959+	52	6.8	7	7	17	10	2	3	2	0	5	23	*	
A	61.2	40.3	50.8	87	1970	19	1972	426	3.97	8.66	1947	0.71	1971	5.06	1950	0.6	4.6	1970	3.6	1970	72	78	56	56	12.4	S	66	SW	1947	56	6.7	6	9	15	12	*	5	1	0	0	6	0	
M	72.3	50.7	61.5	91	1967	25	1966	183	4.27	7.96	1957	1.04	1964	3.62	1956	T	0.1	1966	0.1	1966	75	80	56	56	10.6	S	61	SW	1950	61	6.3	7	10	14	11	0	7	1	*	0	1	0	
J	82.3	61.1	71.7	100	1971	40	1969	33	4.08	7.41	1946	0.98	1971+	3.73	1968	0.0	0.0		0.0		75	81	56	56	9.2	S	66	N	1953	66	6.1	7	11	12	10	0	9	1	5	0	0	0	
J	87.0	65.0	76.0	102	1966	47	1972+	0	3.54	8.42	1958	0.57	1945	3.56	1953	0.0	0.0		0.0		81	86	59	60	8.1	S	75	NW	1953	69	5.5	9	12	10	8	0	8	1	6	0	0	0	
A	85.1	63.5	74.3	99	1964	44	1967+	6	2.88	8.61	1965	0.81	1948	4.32	1955	0.0	0.0		0.0		82	87	59	62	7.9	S	65	W	1956	69	5.2	11	10	10	8	0	6	1	4	0	0	0	
S	77.8	55.0	66.4	94	1960	34	1967	87	3.05	13.09	1961	0.41	1956	4.15	1961	0.0	0.0		0.0		81	88	60	65	8.9	S	73	W	1965	65	5.0	12	8	10	9	0	5	1	2	0	0	0	
O	66.5	44.1	55.3	90	1963	19	1972+	326	2.53	10.80	1941	0.03	1964	3.70	1969	0.1	1.8	1967	1.8	1967	77	85	58	62	9.6	S	60	SW	1958	63	5.0	12	8	11	7	*	2	1	*	0	4	0	
N	48.6	30.7	39.7	77	1964+	4	1964	759	2.14	5.29	1946	0.43	1953	2.45	1946	1.9	8.9	1951	7.2	1951	79	83	66	70	11.3	S	56	W	1964+	45	6.6	7	7	16	8	1	1	2	0	1	17	0	
D	36.8	21.3	29.1	71	1970	-18	1963	1113	1.94	6.34	1949	0.33	1962	3.38	1949	5.2	11.0	1969	6.8	1956	80	83	72	76	11.0	S	58	SW	1948	40	7.0	7	6	18	9	2	1	3	0	14	26	3	
YR	61.2	41.5	51.4	102	JUL. 1966	-20	JAN. 1963	6025	34.84	13.09	SEP. 1961	0.03	OCT. 1964	5.06	APR. 1950	23.0	16.9	MAR. 1960	9.0	JAN. 1967+	78	82	62	64	10.3	S	75	NW	JUL. 1953	58	6.1	100	99	166	110	8	48	21	17	51	134	12	

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 113 in July 1936; lowest temperature -27 in January 1884; maximum precipitation in 24 hours 5.52 in May 1927; maximum monthly snowfall 26.5 in February 1900; maximum snowfall in 24 hours 18.0 in February 1900.

(a) Length of record, years, based on January data. Other months may be for more or fewer years if there have been breaks in the record.
(b) Climatological standard normals (1931-1960).
* Less than one half.
+ Also on earlier dates, months, or years.
T Trace, an amount too small to measure.
Below zero temperatures are preceded by a minus sign.
The prevailing direction for wind in the Normals, Means, and Extremes table is from records through 1963.
‡ ≥ 70° at Alaskan stations.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation, including snowfall, in inches; wind movement in miles per hour; and relative humidity in percent. Heating degree day totals are the sums of negative departures of average daily temperatures from 65° F. Cooling degree day totals are the sums of positive departures of average daily temperatures from 65° F. Sleet was included in snowfall totals beginning with July 1948. The term "Ice pellets" includes solid grains of ice (sleet) and particles consisting of snow pellets encased in a thin layer of ice. Heavy fog reduces visibility to 1/4 mile or less.

Sky cover is expressed in a range of 0 for no clouds or obscuring phenomena to 10 for complete sky cover. The number of clear days is based on average cloudiness 0-3, partly cloudy days 4-7, and cloudy days 8-10 tenths.

Solar radiation data are the averages of direct and diffuse radiation on a horizontal surface. The langley denotes one gram calorie per square centimeter.

& Figures instead of letters in a direction column indicate direction in tens of degrees from true North; i.e., 09 - East, 18 - South, 27 - West, 36 - North, and 00 - Calm. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. If figures appear in the direction column under "Fastest mile" the corresponding speeds are fastest observed 1-minute values.

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AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1933	37.6	26.8	39.4	50.9	62.8	78.9	78.5	73.0	72.6	51.8	39.6	32.6	53.7
1934	31.7	23.8	34.1	51.6	68.7	79.2	81.0	74.4	63.8	57.4	46.0	26.0	53.1
1935	26.2	31.4	44.3	48.4	55.8	67.4	79.2	74.8	65.8	54.4	38.6	23.2	50.8
1936	17.2	14.8	41.9	48.2	67.0	72.0	84.3	80.3	70.5	54.2	37.8	33.8	51.8
1937	23.8	27.8	36.2	49.7	63.2	70.8	75.8	78.3	65.8	52.2	36.7	26.8	50.6
1938	26.2	36.2	47.4	53.3	62.2	69.9	76.5	77.2	68.1	60.3	43.0	30.0	54.2
1939	32.2	27.5	41.0	47.7	66.2	73.0	76.2	73.2	71.7	57.1	41.2	33.9	53.4
1940	13.3	29.4	35.9	49.8	58.9	73.6	77.4	74.8	66.6	59.0	38.2	34.0	50.9
1941	28.4	25.7	35.4	56.0	66.8	73.4	77.0	76.2	69.7	58.0	43.3	36.4	53.9
1942	25.6	26.8	42.0	56.1	61.9	71.9	76.3	73.4	64.8	55.2	41.4	24.6	51.7
#1943	24.3	30.6	35.4	48.8	58.8	73.2	76.1	75.6	61.9	53.8	36.4	26.2	49.9
1944	31.0	29.4	34.4	47.4	66.4	74.2	74.8	73.8	66.2	54.4	43.0	22.2	51.4
1945	19.8	29.6	49.4	51.6	55.6	66.4	72.4	74.0	65.4	51.5	39.6	21.6	49.8
1946	27.2	30.8	50.1	54.2	58.2	70.4	76.1	69.9	65.8	59.0	42.8	33.0	53.1
1947	28.5	21.5	32.7	49.8	56.8	68.0	72.4	82.0	68.2	63.2	35.0	31.3	50.8
1948	20.2	27.6	37.5	55.0	59.6	70.6	74.8	74.3	69.0	52.2	42.8	31.4	51.2
1949	26.5	27.5	39.0	50.6	64.4	74.7	78.4	74.5	60.4	57.4	42.3	33.3	52.4
1950	29.2	26.9	34.6	44.3	63.6	69.9	72.4	69.0	65.8	60.1	34.0	20.8	49.2
1951	24.3	27.9	34.7	47.9	63.9	68.4	73.8	71.7	62.3	55.2	33.3	26.1	49.1
1952	27.2	33.0	36.1	52.4	60.9	76.7	77.0	72.6	65.7	48.4	42.5	32.3	52.1
1953	28.4	32.9	39.9	47.0	61.7	75.8	77.0	75.1	67.2	59.0	43.0	31.1	53.2
1954	27.4	37.5	35.4	55.6	57.5	75.5	77.8	73.8	69.1	55.4	41.8	31.1	53.1
1955	24.5	28.1	37.8	58.7	64.3	68.4	80.9	77.8	67.6	54.3	35.6	26.3	52.0
1956	25.9	29.8	38.9	48.8	64.3	74.1	73.7	74.1	65.5	61.6	39.9	31.8	52.4
1957	18.6	34.5	38.3	51.1	61.1	71.7	77.6	75.2	64.8	51.6	39.5	34.1	51.5
1958	25.0	19.5	36.8	52.2	62.7	66.4	72.8	73.9	65.8	56.5	43.1	23.0	49.8
#1959	18.5	27.0	38.9	51.0	66.1	73.6	75.0	77.8	68.1	51.3	32.9	34.7	51.3
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
1972	19.7	24.5	36.9	48.9	63.2	68.0	73.2	72.4	66.2	50.0	36.2	23.8	48.6
RECORD													
MEAN	24.4	27.9	38.4	51.0	61.6	71.4	75.6	73.8	66.4	54.7	40.3	28.6	51.2
MAX	32.5	36.2	47.7	61.3	72.4	82.2	86.5	84.6	77.4	65.6	49.1	36.2	61.0
MIN	16.2	19.6	29.0	40.6	50.7	60.[illegible]	64.6	62.9	55.3	43.8	31.5	21.0	41.3

TOTAL DEGREE DAYS

PEORIA, ILLINOIS

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1933-34	0	0	21	412	765	1005	1034	1153	960	406	58	0	5814
1934-35	0	14	108	244	574	1208	1205	941	642	510	288	56	5790
1935-36	0	26	94	346	791	1297	1481	1455	717	521	72	12	6812
1936-37	0	0	58	350	815	967	1277	1039	892	465	137	22	6022
1937-38	0	0	115	427	853	1186	1205	807	544	377	161	6	5681
1938-39	0	0	81	206	665	1088	1019	1050	749	527	92	18	5495
1939-40	0	0	49	305	715	965	1602	1030	903	456	218	2	6245
1940-41	0	12	95	204	804	964	1136	1105	919	298	89	4	5630
1941-42	0	3	61	243	660	886	1221	1072	716	300	182	34	5378
#1942-43	0	8	189	317	706	1285	1262	967	923	485	228	25	6395
1943-44	0	1	151	354	860	1204	1056	1031	950	529	131	20	6287
1944-45	0	10	69	338	661	1328	1398	991	484	404	312	77	6072
1945-46	6	4	102	418	766	1347	1170	957	460	343	231	46	5850
1946-47	0	12	76	216	665	988	1133	1219	1005	456	263	48	6081
1947-48	6	0	109	119	895	1045	1390	1087	854	330	180	14	6029
1948-49	0	4	39	398	664	1040	1191	1050	805	434	107	3	5735
1949-50	0	0	168	266	682	984	1105	1062	936	613	97	36	5949
1950-51	2	18	62	191	925	1364	1254	1033	931	528	123	24	6455
1951-52	1	2	119	334	944	1198	1163	919	891	390	184	4	6149
1952-53	0	2	80	514	670	1005	1125	896	773	533	172	0	5770
1953-54	0	0	62	231	654	1045	1159	766	910	304	247	31	5409
1954-55	0	0	36	344	689	1046	1248	1030	836	190	90	41	5550
1955-56	0	0	41	331	874	1194	1208	1014	801	491	124	26	6104
1956-57	0	6	74	129	747	1026	1434	847	824	431	158	9	5685
1957-58	0	0	70	408	758	949	1233	1271	868	381	114	35	6087
1958-59	1	11	72	274	652	1296	1435	1057	800	418	103	5	6124
#1959-60	1	0	66	421	954	930	1171	1183	1308	374	233	18	6659
1960-61	2	0	53	342	724	1278	1351	922	750	612	277	29	6340
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6569
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945	1402	1167	866	475	150	42	6068
1972-73	9	19	87	461	855	1271							

TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1933	1.69	1.33	4.70	3.05	7.97	1.15	1.93	2.66	5.92	2.23	0.26	1.18	34.07
1934	1.05	0.77	1.76	1.13	0.47	2.82	5.44	2.30	6.57	1.97	4.81	1.34	30.43
1935	1.93	2.83	3.32	2.91	8.58	6.62	2.64	0.98	3.33	1.59	4.03	1.39	40.15
1936	1.79	1.63	1.80	1.64	1.72	0.45	1.24	2.27	10.58	3.35	1.18	3.26	30.91
1937	2.86	2.46	1.02	4.42	3.22	4.87	2.32	1.55	1.14	2.69	1.28	2.06	29.89
1938	4.32	2.21	4.42	3.80	5.72	6.76	6.34	3.01	2.12	0.84	1.65	1.43	42.62
1939	3.40	2.88	3.24	5.16	4.48	5.53	4.80	2.38	0.85	3.80	1.14	0.61	38.27
1940	0.58	0.61	2.01	3.83	3.30	1.24	0.84	3.60	0.92	3.25	2.06	1.75	23.99
1941	3.11	1.01	1.48	5.04	6.52	3.38	1.66	2.79	5.32	10.80	2.00	1.46	44.57
1942	1.39	5.18	2.18	3.71	3.48	5.56	4.73	2.24	2.55	0.96	4.58	2.58	39.14
#1943	1.68	1.04	2.43	5.79	7.35	3.49	2.56	4.63	0.88	1.60	1.23	0.58	33.26
1944	0.57	1.74	5.92	8.32	4.12	2.72	1.73	2.86	4.49	1.23	1.33	0.90	35.93
1945	0.49	1.24	3.90	5.58	4.90	5.66	0.57	1.11	7.36	0.74	2.19	2.39	36.13
1946	2.63	0.58	4.22	1.55	5.06	7.41	0.79	3.40	2.32	3.88	5.29	1.76	38.89
1947	1.47	0.33	2.25	8.66	4.63	7.13	1.64	1.33	2.49	3.57	2.54	3.13	39.17
1948	1.25	1.70	3.94	1.81	2.55	3.25	8.18	0.81	1.72	1.18	1.13	2.61	30.13
1949	4.43	1.63	2.57	2.75	1.17	3.25	4.93	1.28	1.62	2.71	0.65	6.34	33.33
1950	4.09	2.75	1.73	8.49	1.45	5.90	4.13	1.67	3.49	0.61	2.04	0.95	37.30
1951	1.58	3.44	3.35	4.09	2.56	4.04	5.81	3.30	2.50	2.97	2.43	1.16	37.23
1952	1.51	1.59	4.10	3.88	3.90	5.68	2.44	4.73	1.77	0.85	3.09	1.89	35.43
1953	1.28	0.77	4.80	2.81	2.16	3.47	6.32	1.61	2.11	0.74	0.43	2.33	28.83
1954	0.89	2.68	3.41	5.47	2.59	6.35	3.82	8.56	0.93	3.27	2.19	1.80	41.96
1955	2.56	2.44	1.76	3.69	3.54	3.20	0.65	4.72	2.62	3.73	0.72	0.36	29.99
1956	0.25	1.11	0.54	3.12	5.20	0.98	4.67	4.47	0.41	0.67	2.30	1.90	25.62
1957	1.70	0.83	2.63	5.61	7.96	3.04	2.00	1.57	1.21	4.34	2.55	3.55	36.99
1958	1.30	0.57	0.39	2.65	3.32	4.86	8.42	3.35	3.15	0.93	2.02	0.49	31.45
1959	1.71	1.84	3.46	2.50	5.09	1.03	2.83	2.25	3.51	3.56	0.96	1.89	30.63
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
1972	0.81	0.74	2.48	4.38	1.30	5.97	3.54	4.26	5.21	2.50	2.56	2.48	36.23
RECORD													
MEAN	1.80	1.80	2.74	3.50	3.88	3.80	3.76	3.08	3.75	2.43	2.26	1.99	34.79

TOTAL SNOWFALL

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1933-34	0.0	0.0	0.0	0.0	T	1.5	0.8	10.8	14.7	T	0.0	0.0	27.8
1934-35	0.0	0.0	0.0	0.0	0.0	8.2	0.1	1.2	0.1	3.0	0.0	0.0	12.6
1935-36	0.0	0.0	0.0	0.0	0.1	10.9	15.4	7.3	0.9	3.0	0.0	0.0	37.6
1936-37	0.0	0.0	0.0	T	0.1	0.6	4.7	2.0	1.2	T	0.0	0.0	8.6
1937-38	0.0	0.0	0.0	T	4.1	0.8	6.3	7.0	T	6.2	0.0	0.0	24.4
1938-39	0.0	0.0	0.0	T	0.6	0.9	13.6	3.3	T	T	0.0	0.0	18.4
1939-40	0.0	0.0	0.0	0.0	T	8.0	4.3	8.2	2.3	T	T	0.0	22.8
1940-41	0.0	0.0	0.0	0.0	1.3	0.3	9.1	3.3	5.1	0.0	0.0	0.0	19.1
1941-42	0.0	0.0	0.0	0.0	3.5	3.6	3.5	8.9	0.7	T	0.0	0.0	20.2
#1942-43	0.0	0.0	1.0	0.0	3.2	9.5	14.2	6.5	7.7	0.2	0.0	0.0	42.3
1943-44	0.0	0.0	0.0	0.0	0.4	3.0	T	11.0	2.8	0.0	T	0.0	17.2
1944-45	0.0	0.0	0.0	0.0	0.3	8.3	7.0	3.0	2.7	T	0.0	0.0	21.3
1945-46	0.0	0.0	0.0	0.0	0.5	7.0	1.8	3.2	9.9	T	0.0	0.0	22.4
1946-47	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.3	6.8	T	0.0	0.0	22.3
1947-48	0.0	0.0	0.0	0.0	3.6	1.8	4.3	4.0	3.0	0.0	0.0	0.0	16.7
1948-49	0.0	0.0	0.0	0.0	T	2.0	3.2	3.8	0.1	1.2	0.0	0.0	10.3
1949-50	0.0	0.0	0.0	0.0	0.3	3.6	2.1	10.7	2.0	T	T	0.0	18.7
1950-51	0.0	0.0	0.0	T	4.8	8.3	4.8	5.4	10.2	2.1	0.0	0.0	35.6
1951-52	0.0	0.0	0.0	0.0	8.9	9.8	2.3	6.5	4.8	T	0.0	0.0	32.3
1952-53	0.0	0.0	0.0	0.0	T	2.4	5.2	0.4	3.2	2.6	0.0	0.0	13.8
1953-54	0.0	0.0	0.0	0.0	1.8	4.3	0.1	2.8	4.3	0.0	T	0.0	13.3
1954-55	0.0	0.0	0.0	T	4.0	8.2	12.0	3.1	5.6	0.0	0.0	0.0	32.9
1955-56	0.0	0.0	0.0	T	2.2	2.3	1.8	5.2	4.5	T	0.0	0.0	16.0
1956-57	0.0	0.0	0.0	0.0	2.8	9.1	10.0	0.5	8.2	1.6	0.0	0.0	32.2
1957-58	0.0	0.0	0.0	T	0.4	5.4	11.0	1.5	0.4	T	0.0	0.0	18.7
1958-59	0.0	0.0	0.0	0.0	1.0	5.0	11.6	2.6	4.2	T	0.0	0.0	24.4
1959-60	0.0	0.0	0.0	0.0	7.0	2.4	3.3	12.0	16.9	T	T	0.0	41.6
1960-61	0.0	0.0	0.0	0.0	0.3	4.6	3.5	5.3	0.7	1.2	0.0	0.0	15.6
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T	10.2	6.2	8.0	0.9	0.0	0.0	29.3
1972-73	0.0	0.0	0.0	0.3	7.3	4.7							

Record mean values above (not adjusted for instrument location changes listed in the Station Location table) are means for the period beginning in 1905 for temperature and 1856 for precipitation.

# Indicates a break in the data sequence during the year, or season, due to a station move or relocation of instruments. See Station Location table.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground								Sea level	
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyranometer	
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40° 41'	89° 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40° 41'	89° 36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40° 41'	89° 36'	460										
Corner of Pecan & Meyer	1869	1872	9 blks. WSW	40° 41'	89° 36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40° 41'	89° 36'	473										
315 Harrison Street	1885˙	1888	1 blk. NW	40° 41'	89° 36'	495										
701 Fourth Street	1889	1905	9 blks. NW	40° 42'	89° 36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40° 43'	89° 36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Bldg. Municipal Airport 5 miles WSW of P. O.	3/01/35	5/04/43		40° 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Bldg. Municipal Airport	5/04/43	10/01/59	Not moved	40° 40'	89° 41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg. Greater Peoria Airport	10/01/59	Present	2300 feet WNW	40° 40'	89° 41'	652	20	6	6		4	4	4	5		

Requests for additional information should be directed to the National Weather Service Office for which this summary was issued.

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LOCAL CLIMATOLOGICAL DATA

ANNUAL SUMMARY WITH COMPARATIVE DATA

PEORIA, ILLINOIS

1971

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

NARRATIVE CLIMATOLOGICAL SUMMARY

The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

The Airport Station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good.

Monthly mean temperatures range from 25° during January to 76° during July with an annual average of 51°. Illustrating the extreme conditions that have occurred, the single year of 1936 had 17 days with temperatures 100° or higher in July while the early part of that same year had 26 zero days in a 31-day period. 1936 also had the absolute maximum record of 113° set on July 15, but the absolute minimum of -27° dates back to January of 1884. June and September are usually the most pleasant months of the year. Then during October or first of November, "Indian Summer" is often experienced with an extended period of warm dry weather.

The average date for the last occurrence in the spring of temperatures as low as 32° is April 16 with the latest date occurring on May 12 in 1960. The average date for the first occurrence in the fall of temperatures as low as 32° is October 21 with the earliest date occurring on September 26 in 1928. The average growing season is 189 days with the longest growing season of record of 214 days occurring in 1931, while the shortest was 151 days in 1928.

The normal annual precipitation is 34.84 inches with individual years ranging from 23.18 inches in 1910 to 53.26 inches in 1858. Precipitation is normally heaviest during the growing season and at a minimum during midwinter. However, the wettest month on record was September in 1961 with 13.09 inches; and the driest was October of 1964 with only 0.03 of an inch. The maximum amount of rainfall occurring in any 24-hour period was 5.52 inches in May of 1927. Maximum amounts recorded for shorter periods are: for 5 minutes, 0.75 of an inch; for 15 minutes, 1.26 inches; for 30 minutes, 2.10 inches; and for 60 minutes, 2.60 inches.

Annual snowfall has ranged from only 6.0 inches in 1928 to 45.7 inches in 1926. The earliest snow of record occurred on September 25, 1942, when 1.0 inch fell; while traces have occurred as late in the spring as May 9. The heaviest single storm of record brought 18 inches during the last 2 days of February in 1900.

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METEOROLOGICAL DATA FOR THE CURRENT YEAR

Station: PEORIA, ILLINOIS GREATER PEORIA AIRPORT Standard time used: CENTRAL Latitude: 40° 40' N Longitude: 89° 41' W Elevation (ground): 652 feet Year: 1971

Month	Temperature							Degree days (Base 65°)		Precipitation						Relative humidity				Wind &						Percent of possible sunshine	Average sky cover sunrise to sunset	Number of days											Average daily solar radiation - langleys
	Averages			Extremes									Snow, Ice pellets			Hour	Hour	Hour	Hour	Resultant			Fastest mile					Sunrise to sunset							Temperatures Maximum		Temperatures Minimum		
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date	Heating	Cooling	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date	00 (Local time)	06 (Local time)	12 (Local time)	18 (Local time)	Direction	Speed	Average speed	Speed	Direction #	Date			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog	90° and above ‡	32° and below	32° and below	0° and below	
JAN	28.0	10.3	19.2	50	25	-5	6	1418	0	0.59	0.53	3-4	5.4	4.1	3	76	79	64	68	26	5.2	12.4	42	W	25	54	6.1	8	8	15	6	1	0	2	0	20	31	8	
FEB	35.5	19.9	27.7	60	26	-7	9	1035	0	1.64	0.87	4-5	0.6	0.3	5	74	78	67	70	24	4.9	13.6	35	SW	5	47	6.9	7	4	17	10	0	2	2	0	12	24	3	
MAR	45.0	26.0	35.5	75	31	12	4	906	0	1.09	0.31	11	5.8	4.0	11	71	75	54	57	29	3.5	13.9	35	S	31	64	7.0	4	9	18	9	1	2	3	0	2	26	0	
APR	64.9	38.8	51.9	86	12	25	4+	402	14	0.71	0.45	27	0.0	0.0		49	60	37	33	34	0.4	12.5	34	W	1	81	5.5	10	9	11	4	0	3	0	0	0	7	0	
MAY	69.3	46.0	57.7	86	17	30	13	241	22	2.80	1.32	23-24	0.0	0.0		69	77	49	49	20	1.8	10.0	30	NW	5	67	6.3	6	12	13	7	0	7	1	0	0	2	0	
JUN	89.7	63.9	76.8	100	19	50	9	0	359	0.98	0.61	24-25	0.0	0.0		72	78	49	49	19	3.4	8.3	31	SW	11	83	6.2	5	11	14	5	0	6	0	15	0	0	0	
JUL	82.4	59.9	71.2	97	8	47	31	17	217	5.21	2.82	9-10	0.0	0.0		81	83	54	57	24	1.3	8.1	22	NW	26	75	5.8	8	12	11	9	0	7	1	4	0	0	0	
AUG	83.0	60.2	71.6	94	10	50	27	5	214	2.19	1.44	14	0.0	0.0		82	87	54	61	14	0.7	7.5	46	NW	14	70	5.3	11	10	10	6	0	7	1	4	0	0	0	
SEP	79.8	57.9	68.9	93	14+	37	24	85	210	3.07	1.23	25-26	0.0	0.0		79	90	56	62	17	2.8	8.3	22	NW	14+	65	5.4	12	9	9	9	0	9	3	6	0	0	0	
OCT	70.7	49.2	60.0	87	2+	34	12	186	37	1.71	1.00	2-3	0.0	0.0		83	89	60	66	20	3.4	8.8	35	SW	27	63	5.5	9	13	9	6	0	1	5	0	0	0	0	
NOV	49.6	31.4	40.5	75	14	14	7	728	0	1.43	0.49	18	4.0	2.4	28-29	75	79	60	64	22	3.4	10.9	33	NW	21	42	6.8	8	6	16	9	1	0	3	0	0	19	0	
DEC	40.9	27.7	34.3	63	15	10	18	945	0	4.96	1.75	29-30	T	T	29 +	84	85	76	82	20	2.4	9.7	46	SW	15	23	8.3	3	5	23	13	0	3	9	0	3	21	0	
YEAR	61.6	40.9	51.3	100	JUN. 19	-7	FEB. 9	5968	1073	26.38	2.82	JUL. 9-10	15.8	4.1	JAN. 3	75	80	57	60	22	2.2	10.3	46	SW	DEC. 15+	64	6.3	91	108	166	93	3	47	30	29	37	130	11	

NORMALS, MEANS, AND EXTREMES

Month	Temperature							Normal heating degree days (Base 65°)	Precipitation												Relative humidity				Wind &					Pct. of possible sunshine	Mean sky cover sunrise to sunset	Mean number of days											Average daily solar radiation - langleys
	Normal			Extremes												Snow, Ice pellets					Hour	Hour	Hour	Hour			Fastest mile					Sunrise to sunset							Temperatures Max.		Temperatures Min.		
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year		Normal total	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Mean total	Maximum monthly	Year	Maximum in 24 hrs.	Year	00 (Local time)	06 (Local time)	12 (Local time)	18 (Local time)	Mean speed	Prevailing direction	Speed	Direction #	Year			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog	90° and above ‡	32° and below	32° and below	0° and below	
(a)	(b)	(b)	(b)	12		12		(b)	(b)	32		32		28		28	28		28		12	12	12	12	28	9	28	28		28	28	28	28	28	32	28	28	28	12	12	12	12	
J	33.7	17.6	25.7	66	1967	-20	1963	1218	1.88	8.11	1965	0.25	1956	4.45	1965	5.5	12.0	1955	9.0	1967	76	77	68	71	11.3	S	54	S	1950	46	6.8	8	5	18	9	2	1	3	0	19	29	7	
F	36.6	20.1	28.4	60	1971+	-13	1963	1025	1.71	5.18	1942	0.33	1947	1.92	1954	4.6	12.0	1960	7.6	1944	77	79	65	69	11.6	WNW	52	W	1953	50	6.6	7	6	15	8	1	1	3	0	12	27	2	
M	46.7	28.4	37.6	81	1967	-10	1960	849	2.85	5.92	1944	0.39	1958	3.39	1944	4.9	16.9	1960	9.0	1946	78	82	64	66	12.3	WNW	56	W	1959+	52	6.8	7	8	16	11	2	3	2	0	5	23	*	
A	61.2	40.3	50.8	87	1970	20	1961	426	3.97	8.66	1947	0.71	1971	5.06	1950	0.6	4.6	1970	3.6	1970	71	78	56	55	12.4	S	66	SW	1947	56	6.7	6	9	15	12	*	5	1	0	0	6	0	
M	72.3	50.7	61.5	91	1967	25	1966	183	4.27	7.96	1957	1.04	1964	3.62	1956	T	0.1	1966	0.1	1966	75	81	57	57	10.6	S	61	SW	1950	60	6.3	7	10	14	11	0	7	1	*	0	1	0	
J	82.3	61.1	71.7	100	1971	40	1969	33	4.08	7.41	1946	0.98	1971+	3.73	1968	0.0	0.0		0.0		76	82	56	56	9.2	S	66	N	1953	66	6.1	7	11	12	10	0	9	1	6	0	0	0	
J	87.0	65.0	76.0	102	1966	47	1971+	0	3.54	8.42	1958	0.57	1945	3.56	1953	0.0	0.0		0.0		81	86	59	60	8.1	S	75	NW	1953	69	5.4	9	13	9	8	0	8	1	6	0	0	0	
A	85.1	63.5	74.3	99	1964	44	1967+	6	2.88	8.61	1965	0.81	1948	4.32	1955	0.0	0.0		0.0		82	87	58	62	7.9	S	65	W	1956	69	5.2	11	10	10	8	0	7	1	4	0	0	0	
S	77.8	55.0	66.4	94	1960	34	1967	87	3.05	13.09	1961	0.41	1956	4.15	1961	0.0	0.0		0.0		81	88	59	64	8.9	S	73	W	1965	66	4.9	12	9	9	9	0	5	1	2	0	0	0	
O	66.5	44.1	55.3	90	1963	19	1962	326	2.53	10.80	1941	0.03	1964	3.70	1969	0.1	1.8	1967	1.8	1967	77	84	57	61	9.6	S	60	SW	1958	64	5.0	12	8	11	7	*	2	1	*	0	4	0	
N	48.6	30.7	39.7	77	1964+	4	1964	759	2.14	5.29	1946	0.43	1953	2.45	1946	1.7	8.9	1951	7.2	1951	78	82	65	69	11.4	S	56	W	1964+	46	6.5	7	7	16	8	1	1	2	0	1	17	0	
D	36.8	21.3	29.1	71	1970	-18	1963	1113	1.94	6.34	1949	0.33	1962	3.38	1949	5.2	11.0	1969	6.8	1956	80	83	71	75	11.0	S	58	SW	1948	41	6.9	7	6	18	9	2	1	3	0	14	26	2	
YR	61.2	41.5	51.4	102	JUL. 1966	-20	JAN. 1963	6025	34.84	13.09	SEP. 1961	0.03	OCT. 1964	5.06	APR. 1950	22.6	16.9	MAR. 1960	9.0	JAN. 1967+	78	82	61	64	10.4	S	75	NW	JUL. 1953	58	6.1	100	102	163	109	7	48	21	18	51	133	12	

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 113 in July 1936; lowest temperature -27 in January 1884; maximum precipitation in 24 hours 5.52 in May 1927; maximum monthly snowfall 26.5 in February 1900; maximum snowfall in 24 hours 18.0 in February 1900.

(a) Length of record, years, based on January data. Other months may be for more or fewer years if there have been breaks in the record.
(b) Climatological standard normals (1931-1960).
* Less than one half.
+ Also on earlier dates, months, or years.
T Trace, an amount too small to measure.
Below zero temperatures are preceded by a minus sign.
The prevailing direction for wind in the Normals, Means, and Extremes table is from records through 1963.
‡ ≥ 70° at Alaskan stations.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation, including snowfall, in inches; wind movement in miles per hour; and relative humidity in percent. Heating degree day totals are the sums of negative departures of average daily temperatures from 65° F. Cooling degree day totals are the sums of positive departures of average daily temperatures from 65° F. Sleet was included in snowfall totals beginning with July 1948. The term "Ice pellets" includes solid grains of ice (sleet) and particles consisting of snow pellets encased in a thin layer of ice. Heavy fog reduces visibility to 1/4 mile or less.

Sky cover is expressed in a range of 0 for no clouds or obscuring phenomena to 10 for complete sky cover. The number of clear days is based on average cloudiness 0-3, partly cloudy days 4-7, and cloudy days 8-10 tenths.

Solar radiation data are the averages of direct and diffuse radiation on a horizontal surface. The langley denotes one gram calorie per square centimeter.

& Figures instead of letters in a direction column indicate direction in tens of degrees from true North; i.e., 09 - East, 18 - South, 27 - West, 36 - North, and 00 - Calm. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. If figures appear in the direction column under "Fastest mile" the corresponding speeds are fastest observed 1-minute values.

# To 8 compass points only.

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1971

AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1932	33.2	36.8	31.8	51.4	63.7	73.4	76.7	74.2	64.8	52.8	36.0	27.8	51.9
1933	37.6	26.8	39.4	50.9	62.8	78.9	78.5	73.0	72.6	51.8	39.6	32.6	53.7
1934	31.7	23.8	34.1	51.6	68.7	79.2	81.0	74.4	63.8	57.4	46.0	26.0	53.1
1935	26.2	31.4	44.3	48.4	55.8	67.4	79.2	74.8	65.8	54.4	38.6	23.2	50.8
1936	17.2	14.8	41.9	48.2	67.0	72.0	84.3	80.3	70.5	54.2	37.8	33.8	51.8
1937	23.8	27.8	36.2	49.7	63.2	70.8	75.8	78.3	65.8	52.2	36.7	26.8	50.6
1938	26.2	36.2	47.4	53.3	62.2	69.9	76.5	77.2	68.1	60.3	43.0	30.0	54.2
1939	32.2	27.5	41.0	47.7	66.2	73.0	76.2	73.2	71.7	57.1	41.2	33.9	53.4
1940	13.3	29.4	35.9	49.8	58.9	73.6	77.4	74.8	66.6	59.0	38.2	34.0	50.9
1941	28.4	25.7	35.4	56.0	66.8	73.4	77.0	76.2	69.7	58.0	43.3	36.4	53.9
1942	25.6	26.8	42.0	56.1	61.9	71.9	76.3	73.4	64.8	55.2	41.4	24.6	51.7
#1943	24.3	30.6	35.4	48.8	58.8	73.2	76.1	75.6	61.9	53.8	36.4	26.2	49.9
1944	31.0	29.4	34.4	47.4	66.4	74.2	74.8	73.8	66.2	54.4	43.0	22.2	51.4
1945	19.8	29.6	49.4	51.6	55.6	66.4	72.4	74.0	65.4	51.5	39.6	21.6	49.8
1946	27.2	30.8	50.1	54.2	58.2	70.4	76.1	69.9	65.8	59.0	42.8	33.0	53.1
1947	28.5	21.5	32.7	49.8	56.8	68.0	72.4	82.0	68.2	63.2	35.0	31.3	50.8
1948	20.2	27.6	37.5	55.0	59.6	70.6	74.8	74.3	69.0	52.2	42.8	31.4	51.2
1949	26.5	27.5	39.0	50.6	64.4	74.7	78.4	74.5	60.4	57.4	42.3	33.3	52.4
1950	29.2	26.9	34.6	44.3	63.6	69.9	72.4	69.0	65.8	60.1	34.0	20.8	49.2
1951	24.3	27.9	34.7	47.9	63.9	68.4	73.8	71.7	62.3	55.2	33.3	26.1	49.1
1952	27.2	33.0	36.1	52.4	60.9	76.7	77.0	72.6	65.7	48.4	42.5	32.3	52.1
1953	28.4	32.9	39.9	47.0	61.7	75.8	77.0	75.1	67.2	59.0	43.0	31.1	53.2
1954	27.4	37.5	35.4	55.6	57.5	75.5	77.8	73.8	69.1	55.4	41.8	31.1	53.1
1955	24.5	28.1	37.8	58.7	64.3	68.4	80.9	77.8	67.6	54.3	35.6	26.3	52.0
1956	25.9	29.8	38.9	48.8	64.3	74.1	73.7	74.1	65.5	61.6	39.9	31.8	52.4
1957	18.6	34.5	38.3	51.1	61.1	71.7	77.6	75.2	64.8	51.6	39.5	34.1	51.5
1958	25.0	19.5	36.8	52.2	62.7	66.4	72.8	73.9	65.8	56.5	43.1	23.0	49.8
#1959	18.5	27.0	38.9	51.0	66.1	73.6	75.0	77.8	68.1	51.3	32.9	34.7	51.3
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
1971	19.2	27.7	35.5	51.9	57.7	76.8	71.2	71.6	68.9	60.0	40.5	34.3	51.3
RECORD MEAN	24.4	28.0	38.4	51.0	61.6	71.4	75.6	73.8	66.4	54.8	40.4	28.7	51.2
MAX	32.5	36.2	47.7	61.3	72.4	82.2	86.5	84.6	77.4	65.7	49.2	36.2	61.0
MIN	16.3	19.7	29.1	40.6	50.7	60.6	64.6	62.9	55.3	43.8	31.5	21.1	41.4

TOTAL DEGREE DAYS

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1932-33	1	0	93	389	867	1155	851	1069	798	432	134	9	5798
1933-34	0	0	21	412	765	1005	1034	1153	960	406	58	0	5814
1934-35	0	14	108	244	574	1208	1205	941	642	510	288	56	5790
1935-36	0	26	94	346	791	1297	1481	1455	717	521	72	12	6812
1936-37	0	0	58	350	815	967	1277	1039	892	465	137	22	6022
1937-38	0	0	115	427	853	1186	1205	807	544	377	161	6	5681
1938-39	0	0	81	206	665	1088	1019	1050	749	527	92	18	5495
1939-40	0	0	49	305	715	965	1602	1030	903	456	218	2	6245
1940-41	0	12	95	204	804	964	1136	1105	919	298	89	4	5630
1941-42	0	3	61	243	660	886	1221	1072	716	300	182	34	5378
#1942-43	0	8	189	317	706	1285	1262	967	923	485	228	25	6395
1943-44	0	1	151	354	860	1204	1056	1031	950	529	131	20	6287
1944-45	0	10	69	338	661	1328	1398	991	484	404	312	77	6072
1945-46	6	4	102	418	766	1347	1170	957	460	343	231	46	5850
1946-47	0	12	76	216	665	988	1133	1219	1005	456	263	48	6081
1947-48	6	0	109	119	895	1045	1390	1087	854	330	180	14	6029
1948-49	0	4	39	398	664	1040	1191	1050	805	434	107	3	5735
1949-50	0	0	168	266	682	984	1105	1062	936	613	97	36	5949
1950-51	2	18	62	191	925	1364	1254	1033	931	528	123	24	6455
1951-52	1	2	119	334	944	1198	1163	919	891	390	184	4	6149
1952-53	0	2	80	514	670	1005	1125	896	773	533	172	0	5770
1953-54	0	0	62	231	654	1045	1159	766	910	304	247	31	5409
1954-55	0	0	36	344	689	1046	1248	1030	836	190	90	41	5550
1955-56	0	0	41	331	874	1194	1208	1014	801	491	124	26	6104
1956-57	0	6	74	129	747	1026	1434	847	824	431	158	9	5685
1957-58	0	0	70	408	758	949	1233	1271	868	381	114	35	6087
1958-59	1	11	72	274	652	1296	1435	1057	800	418	103	5	6124
#1959-60	1	0	66	421	954	930	1171	1183	1308	374	233	18	6659
1960-61	2	0	53	342	724	1278	1351	922	750	612	277	29	6340
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6569
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080	1418	1035	906	402	241	0	6298
1971-72	17	5	85	186	728	945							

TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1932	2.51	1.40	2.51	1.99	3.61	4.75	3.41	3.14	1.78	3.18	0.94	4.46	33.68
1933	1.69	1.33	4.70	3.05	7.97	1.15	1.93	2.66	5.92	2.23	0.26	1.18	34.07
1934	1.05	0.77	1.76	1.13	0.47	2.82	5.44	2.30	6.57	1.97	4.81	1.34	30.43
1935	1.93	2.83	3.32	2.91	8.58	6.62	2.64	0.98	3.33	1.59	4.03	1.39	40.15
1936	1.79	1.63	1.80	1.64	1.72	0.45	1.24	2.27	10.58	3.35	1.18	3.26	30.91
1937	2.86	2.46	1.02	4.42	3.22	4.87	2.32	1.55	1.14	2.69	1.28	2.06	29.89
1938	4.32	2.21	4.42	3.80	5.72	6.76	6.34	3.01	2.12	0.84	1.65	1.43	42.62
1939	3.40	2.88	3.24	5.16	4.48	5.53	4.80	2.38	0.85	3.80	1.14	0.61	38.27
1940	0.58	0.61	2.01	3.83	3.30	1.24	0.84	3.60	0.92	3.25	2.06	1.75	23.99
1941	3.11	1.01	1.48	5.04	6.52	3.38	1.66	2.79	5.32	10.80	2.00	1.46	44.57
1942	1.39	5.18	2.18	3.71	3.48	5.56	4.73	2.24	2.55	0.96	4.58	2.58	39.14
#1943	1.68	1.04	2.43	5.79	7.35	3.49	2.56	4.63	0.88	1.60	1.23	0.58	33.26
1944	0.57	1.74	5.92	8.32	4.12	2.72	1.73	2.86	4.49	1.23	1.33	0.90	35.93
1945	0.49	1.24	3.90	5.58	4.90	5.66	0.57	1.11	7.36	0.74	2.19	2.39	36.13
1946	2.63	0.58	4.22	1.55	5.06	7.41	0.79	3.40	2.32	3.88	5.29	1.76	38.89
1947	1.47	0.33	2.25	8.66	4.63	7.13	1.64	1.33	2.49	3.57	2.54	3.13	39.17
1948	1.25	1.70	3.94	1.81	2.55	3.25	8.18	0.81	1.72	1.18	1.13	2.61	30.13
1949	4.43	1.63	2.57	2.75	1.17	3.25	4.93	1.28	1.62	2.71	0.65	6.34	33.33
1950	4.09	2.75	1.73	8.49	1.45	5.90	4.13	1.67	3.49	0.61	2.04	0.95	37.30
1951	1.58	3.44	3.35	4.09	2.56	4.04	5.81	3.30	2.50	2.97	2.43	1.16	37.23
1952	1.51	1.59	4.10	3.88	3.90	5.68	2.44	4.73	1.77	0.85	3.09	1.89	35.43
1953	1.28	0.77	4.80	2.81	2.16	3.47	6.32	1.61	2.11	0.74	0.43	2.33	28.83
1954	0.89	2.68	3.41	5.47	2.59	6.35	3.82	8.56	0.93	3.27	2.19	1.80	41.96
1955	2.56	2.44	1.76	3.69	3.54	3.20	0.65	4.72	2.62	3.73	0.72	0.36	29.99
1956	0.25	1.11	0.54	3.12	5.20	0.98	4.67	4.47	0.41	0.67	2.30	1.90	25.62
1957	1.70	0.83	2.63	5.61	7.96	3.04	2.00	1.57	1.21	4.34	2.55	3.55	36.99
1958	1.30	0.57	0.39	2.65	3.32	4.86	8.42	3.35	3.15	0.93	2.02	0.49	31.45
1959	1.71	1.84	3.46	2.50	5.09	1.03	2.83	2.25	3.51	3.56	0.96	1.89	30.63
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
1971	0.59	1.64	1.09	0.71	2.80	0.98	5.21	2.19	3.07	1.71	1.43	4.96	26.38
RECORD MEAN	1.81	1.81	2.75	3.50	3.90	3.79	3.77	3.07	3.73	2.43	2.26	1.98	34.80

TOTAL SNOWFALL

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1932-33	0.0	0.0	0.0	T	5.6	5.9	0.6	10.9	4.1	T	0.0	0.0	27.1
1933-34	0.0	0.0	0.0	0.0	T	1.5	0.8	10.8	14.7	T	0.0	0.0	27.8
1934-35	0.0	0.0	0.0	0.0	0.0	8.2	0.1	1.2	0.1	3.0	0.0	0.0	12.6
1935-36	0.0	0.0	0.0	0.0	0.1	10.9	15.4	7.3	0.9	3.0	0.0	0.0	37.6
1936-37	0.0	0.0	0.0	T	0.1	0.6	4.7	2.0	1.2	T	0.0	0.0	8.6
1937-38	0.0	0.0	0.0	T	4.1	0.8	6.3	7.0	T	6.2	0.0	0.0	24.4
1938-39	0.0	0.0	0.0	T	0.6	0.9	13.6	3.3	T	T	0.0	0.0	18.4
1939-40	0.0	0.0	0.0	0.0	T	8.0	4.3	8.2	2.3	T	T	0.0	22.8
1940-41	0.0	0.0	0.0	0.0	1.3	0.3	9.1	3.3	5.1	0.0	0.0	0.0	19.1
1941-42	0.0	0.0	0.0	0.0	3.5	3.6	3.5	8.9	0.7	T	0.0	0.0	20.2
#1942-43	0.0	0.0	1.0	0.0	3.2	9.5	14.2	6.5	7.7	0.2	0.0	0.0	42.3
1943-44	0.0	0.0	0.0	0.0	0.4	3.0	T	11.0	2.8	0.0	T	0.0	17.2
1944-45	0.0	0.0	0.0	0.0	0.3	8.3	7.0	3.0	2.7	T	0.0	0.0	21.3
1945-46	0.0	0.0	0.0	0.0	0.5	7.0	1.8	3.2	9.9	T	0.0	0.0	22.4
1946-47	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.3	6.8	T	0.0	0.0	22.3
1947-48	0.0	0.0	0.0	0.0	3.6	1.8	4.3	4.0	3.0	0.0	0.0	0.0	16.7
1948-49	0.0	0.0	0.0	0.0	T	2.0	3.2	3.8	0.1	1.2	0.0	0.0	10.3
1949-50	0.0	0.0	0.0	0.0	0.3	3.6	2.1	10.7	2.0	T	T	0.0	18.7
1950-51	0.0	0.0	0.0	T	4.8	8.3	4.8	5.4	10.2	2.1	0.0	0.0	35.6
1951-52	0.0	0.0	0.0	0.0	8.9	9.8	2.3	6.5	4.8	T	0.0	0.0	32.3
1952-53	0.0	0.0	0.0	0.0	T	2.4	5.2	0.4	3.2	2.6	0.0	0.0	13.8
1953-54	0.0	0.0	0.0	0.0	1.8	4.3	0.1	2.8	4.3	0.0	T	0.0	13.3
1954-55	0.0	0.0	0.0	T	4.0	8.2	12.0	3.1	5.6	0.0	0.0	0.0	32.9
1955-56	0.0	0.0	0.0	T	2.2	2.3	1.8	5.2	4.5	T	0.0	0.0	16.0
1956-57	0.0	0.0	0.0	0.0	2.8	9.1	10.0	0.5	8.2	1.6	0.0	0.0	32.2
1957-58	0.0	0.0	0.0	T	0.4	5.4	11.0	1.5	0.4	T	0.0	0.0	18.7
1958-59	0.0	0.0	0.0	0.0	1.0	5.0	11.6	2.6	4.2	T	0.0	0.0	24.4
1959-60	0.0	0.0	0.0	0.0	7.0	2.4	3.3	12.0	16.9	T	T	0.0	41.6
1960-61	0.0	0.0	0.0	0.0	0.3	4.6	3.5	5.3	0.7	1.2	0.0	0.0	15.6
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4	5.4	0.6	5.8	0.0	0.0	0.0	15.2
1971-72	0.0	0.0	0.0	0.0	4.0	T							

Record mean values above (not adjusted for instrument location changes listed in the Station Location table) are means for the period beginning in 1905 for temperature and 1856 for precipitation.

# Indicates a break in the data sequence during the year, or season, due to a station move or relocation of instruments. See Station Location table.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground								Sea level	
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyranometer	
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40° 41'	89° 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40° 41'	89° 36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40° 41'	89° 36'	460										
Corner of Pecan & Meyer	1869	1872	9 blks. WSW	40° 41'	89° 36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40° 41'	89° 36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40° 41'	89° 36'	495										
701 Fourth Street	1889	1905	9 blks. NW	40° 42'	89° 36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40° 43'	89° 36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Bldg. Municipal Airport 5 miles WSW of P. O.	3/01/35	5/04/43		40° 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Bldg. Municipal Airport	5/04/43	10/01/59	Not moved	40° 40'	89° 41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg. Greater Peoria Airport	10/01/59	Present	2300 feet WNW	40° 40'	89° 41'	652	20	6	6		4	4	4	5		

Requests for additional information should be directed to the National Weather Service Office for which this summary was issued.

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LOCAL CLIMATOLOGICAL DATA

ANNUAL SUMMARY WITH COMPARATIVE DATA

PEORIA, ILLINOIS

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

NARRATIVE CLIMATOLOGICAL SUMMARY

The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

The Airport Station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good.

Monthly mean temperatures range from 25° during January to 76° during July with an annual average of 51°. Illustrating the extreme conditions that have occurred, the single year of 1936 had 17 days with temperatures 100° or higher in July while the early part of that same year had 26 zero days in a 31-day period. 1936 also had the absolute maximum record of 113° set on July 15, but the absolute minimum of -27° dates back to January of 1884. June and September are usually the most pleasant months of the year. Then during October or first of November, "Indian Summer" is often experienced with an extended period of warm dry weather.

The average date for the last occurrence in the spring of temperatures as low as 32° is April 16 with the latest date occurring on May 12 in 1960. The average date for the first occurrence in the fall of temperatures as low as 32° is October 21 with the earliest date occurring on September 26 in 1928. The average growing season is 189 days with the longest growing season of record of 214 days occurring in 1931, while the shortest was 151 days in 1928.

The normal annual precipitation is 34.84 inches with individual years ranging from 23.18 inches in 1910 to 53.26 inches in 1858. Precipitation is normally heaviest during the growing season and at a minimum during midwinter. However, the wettest month on record was September in 1961 with 13.09 inches; and the driest was October of 1964 with only 0.03 of an inch. The maximum amount of rainfall occurring in any 24-hour period was 5.52 inches in May of 1927. Maximum amounts recorded for shorter periods are: for 5 minutes, 0.75 of an inch; for 15 minutes, 1.26 inches; for 30 minutes, 2.10 inches; and for 60 minutes, 2.60 inches.

Annual snowfall has ranged from only 6.0 inches in 1928 to 45.7 inches in 1926. The earliest snow of record occurred on September 25, 1942, when 1.0 inch fell; while traces have occurred as late in the spring as May 9. The heaviest single storm of record brought 18 inches during the last 2 days of February in 1900.

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METEOROLOGICAL DATA FOR THE CURRENT YEAR

Station: PEORIA, ILLINOIS GREATER PEORIA AIRPORT Standard time used: CENTRAL Latitude: 40° 40' N Longitude: 89° 41' W Elevation (ground): 652 feet Year: 1970

Month	Temperature Averages Daily maximum	Temperature Averages Daily minimum	Temperature Averages Monthly	Temperature Extremes Highest	Temperature Extremes Date	Temperature Extremes Lowest	Temperature Extremes Date	Degree days (Base 65°) Heating	Degree days (Base 65°) Cooling	Precipitation Total	Precipitation Greatest in 24 hrs.	Precipitation Date	Snow, Ice pellets Total	Snow, Ice pellets Greatest in 24 hrs.	Snow, Ice pellets Date	Relative humidity Hour 00 (Local time)	Relative humidity Hour 06 (Local time)	Relative humidity Hour 12 (Local time)	Relative humidity Hour 18 (Local time)	Wind & Resultant Direction	Wind & Resultant Speed	Wind & Average speed	Wind & Fastest mile Speed	Wind & Fastest mile Direction #	Wind & Fastest mile Date	Percent of possible sunshine	Average sky cover sunrise to sunset	Number of days Sunrise to sunset Clear	Number of days Sunrise to sunset Partly cloudy	Number of days Sunrise to sunset Cloudy	Number of days Precipitation .01 inch or more	Number of days Snow, Ice pellets 1.0 inch or more	Number of days Thunderstorms	Number of days Heavy fog	Number of days Temperatures Maximum 90° and above ‡	Number of days Temperatures Maximum 32° and below	Number of days Temperatures Minimum 32° and below	Number of days Temperatures Minimum 0° and below	Average daily solar radiation - langleys
JAN	22.7	7.4	15.1	58	28	-18	21	1545	0	0.56	0.23	22	7.3	3.1	22	74	74	64	70	26	5.1	10.9	30	NW	27	59	5.9	11	4	16	9	2	0	0	0	21	30	11	
FEB	36.0	15.8	25.9	55	21	-5	3	1088	0	0.64	0.47	8-9	5.9	4.5	8-9	73	75	60	63	28	3.5	11.9	38	NW	2	69	6.1	8	7	13	8	2	0	3	0	12	28	2	
MAR	43.4	27.1	35.3	60	3	14	16	914	0	1.60	0.59	25-26	8.3	6.0	25-26	75	80	61	62	01	3.6	11.4	30	NE	9	54	7.4	4	9	18	12	2	2	2	0	2	27	0	
APR	62.3	42.1	52.2	87	29	25	5	402	24	7.18	2.78	30	4.6	3.6	1-2	77	79	58	60	20	2.5	11.9	40	SW	29	61	6.1	8	10	12	15	2	8	2	0	0	6	0	
MAY	75.2	53.2	64.2	87	22	35	2	115	99	3.89	1.53	13-14	0.0	0.0		78	82	59	58	19	5.2	10.3	44	NE	13	68	5.6	10	7	14	12	0	10	0	0	0	0	0	
JUN	79.7	59.8	69.8	94	30	50	22	28	178	3.92	1.88	14	0.0	0.0		81	84	61	62	17	2.2	9.2	30	S	14	67	6.4	6	9	15	8	0	6	0	2	0	0	0	
JUL	86.1	63.7	74.9	98	1	51	21	2	317	5.46	1.95	28	0.0	0.0		77	83	53	57	23	1.9	8.4	46	SW	31	79	5.2	7	19	5	11	0	10	0	11	0	0	0	
AUG	81.7	62.9	72.3	90	30+	55	21	3	239	3.21	0.75	18	0.0	0.0		82	86	59	64	11	1.6	7.4	32	W	19	71	4.9	10	14	7	9	0	9	3	2	0	0	0	
SEP	76.1	55.4	65.8	91	7	38	28	84	109	11.49	3.30	21-22	0.0	0.0		78	83	64	68	19	2.0	8.8	40	W	9	53	5.9	10	4	16	18	0	13	0	1	0	0	0	
OCT	63.2	44.0	53.6	80	5	31	18+	353	6	4.36	1.51	13-14	0.0	0.0		79	83	60	67	17	4.5	9.6	30	SW	9	51	6.2	8	8	15	11	0	2	3	0	0	4	0	
NOV	47.2	30.9	39.1	59	30+	7	23	774	0	1.11	0.42	19-20	T	T	24 +	82	86	70	74	22	2.7	11.9	34	NW	23	34	7.9	4	6	20	8	0	0	3	0	2	12	0	
DEC	37.9	21.8	29.9	71	3	7	24	1080	0	1.30	0.78	10-11	3.4	2.8	16	79	84	67	73	25	2.9	11.7	42	W	3	41	6.4	8	7	16	9	1	0	2	0	9	25	0	
YEAR	59.3	40.3	49.8	98	JUL. 1	-18	JAN. 21	6388	972	44.72	3.30	SEP. 21-22	29.5	6.0	MAR. 25-26	78	82	61	65	22	1.8	10.3	46	SW	JUL. 31	60	6.2	94	104	167	130	9	60	18	16	46	132	13	

NORMALS, MEANS, AND EXTREMES

Month	Temperature Normal Daily maximum	Temperature Normal Daily minimum	Temperature Normal Monthly	Temperature Extremes Record highest	Temperature Extremes Year	Temperature Extremes Record lowest	Temperature Extremes Year	Normal heating degree days (Base 65°)	Precipitation Normal total	Precipitation Maximum monthly	Precipitation Year	Precipitation Minimum monthly	Precipitation Year	Precipitation Maximum in 24 hrs.	Precipitation Year	Snow, Ice pellets Mean total	Snow, Ice pellets Maximum monthly	Snow, Ice pellets Year	Snow, Ice pellets Maximum in 24 hrs.	Snow, Ice pellets Year	Relative humidity Hour 00 (Local time)	Relative humidity Hour 06 (Local time)	Relative humidity Hour 12 (Local time)	Relative humidity Hour 18 (Local time)	Wind & Mean speed	Wind & Prevailing direction	Wind & Fastest mile Speed	Wind & Fastest mile Direction #	Wind & Fastest mile Year	Pct. of possible sunshine	Mean sky cover sunrise to sunset	Mean number of days Sunrise to sunset Clear	Mean number of days Sunrise to sunset Partly cloudy	Mean number of days Sunrise to sunset Cloudy	Mean number of days Precipitation .01 inch or more	Mean number of days Snow, Ice pellets 1.0 inch or more	Mean number of days Thunderstorms	Mean number of days Heavy fog	Mean number of days Temperatures Max. 90° and above ‡	Mean number of days Temperatures Max. 32° and below	Mean number of days Temperatures Min. 32° and below	Mean number of days Temperatures Min. 0° and below	Average daily solar radiation - langleys
(a)	(b)	(b)	(b)	11		11		(b)	(b)	31		31		27		27	27		27		11	11	11	11	27	9	27	27		27	27	27	27	27	31	27	27	27	11	11	11	11	
J	33.7	17.6	25.7	66	1967	-20	1963	1218	1.88	8.11	1965	0.25	1956	4.45	1965	5.5	12.0	1955	9.0	1967	76	77	68	71	11.2	S	54	S	1950	45	6.8	7	6	18	9	2	1	3	0	18	29	7	
F	36.6	20.1	28.4	60	1965	-13	1963	1025	1.71	5.18	1942	0.33	1947	1.92	1954	4.7	12.0	1960	7.6	1944	77	79	65	69	11.6	WNW	52	W	1953	50	6.6	7	6	15	8	2	1	3	0	12	27	2	
M	46.7	28.4	37.6	81	1967	-10	1960	849	2.85	5.92	1944	0.39	1958	3.39	1944	4.8	16.9	1960	9.0	1946	78	83	65	67	12.3	WNW	56	W	1959+	52	6.8	7	8	16	11	2	3	2	0	6	22	*	
A	61.2	40.3	50.8	87	1970	20	1961	426	3.97	8.66	1947	0.89	1962	5.06	1950	0.6	4.6	1970	3.6	1970	73	80	58	57	12.4	S	66	SW	1947	55	6.7	6	9	15	12	*	5	1	0	0	6	0	
M	72.3	50.7	61.5	91	1967	25	1966	183	4.27	7.96	1957	1.04	1964	3.62	1956	T	0.1	1966	0.1	1966	76	81	58	57	10.6	S	61	SW	1950	60	6.3	7	10	14	12	0	7	1	*	0	1	0	
J	82.3	61.1	71.7	96	1964+	40	1969	33	4.08	7.41	1946	0.98	1956	3.73	1968	0.0	0.0		0.0		76	82	57	57	9.2	S	66	N	1953	65	6.1	7	11	12	10	0	9	1	5	0	0	0	
J	87.0	65.0	76.0	102	1966	47	1962	0	3.54	8.42	1958	0.57	1945	3.56	1953	0.0	0.0		0.0		81	86	59	60	8.1	S	75	NW	1953	69	5.4	9	13	9	8	0	8	1	6	0	0	0	
A	85.1	63.5	74.3	99	1964	44	1967+	6	2.88	8.61	1965	0.81	1948	4.32	1955	0.0	0.0		0.0		82	87	59	62	7.9	S	65	W	1956	69	5.2	11	10	10	8	0	6	1	4	0	0	0	
S	77.8	55.0	66.4	94	1960	34	1967	87	3.05	13.09	1961	0.41	1956	4.15	1961	0.0	0.0		0.0		81	87	59	64	8.9	S	73	W	1965	66	4.9	12	9	9	9	0	5	1	2	0	0	0	
O	66.5	44.1	55.3	90	1963	19	1962	326	2.53	10.80	1941	0.03	1964	3.70	1969	0.1	1.8	1967	1.8	1967	76	84	57	61	9.7	S	60	SW	1958	64	4.9	13	7	11	7	*	2	1	*	0	5	0	
N	48.6	30.7	39.7	77	1964+	4	1964	759	2.14	5.29	1946	0.43	1953	2.45	1946	1.7	8.9	1951	7.2	1951	78	83	65	69	11.4	S	56	W	1964+	46	6.5	7	7	16	8	*	1	2	0	1	17	0	
D	36.8	21.3	29.1	71	1970	-18	1963	1113	1.94	6.34	1949	0.33	1962	3.38	1949	5.4	11.0	1969	6.8	1956	80	82	71	75	11.1	S	58	SW	1948	41	6.9	7	6	18	9	2	1	3	0	15	26	3	
YR	61.2	41.5	51.4	102	JUL. 1966	-20	JAN. 1963	6025	34.84	13.09	SEP. 1961	0.03	OCT. 1964	5.06	APR. 1950	22.8	16.9	MAR. 1960	9.0	JAN. 1967+	78	83	62	64	10.4	S	75	NW	JUL. 1953	58	6.1	100	102	163	110	8	48	20	17	52	133	12	

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 113 in July 1936; lowest temperature -27 in January 1884; maximum precipitation in 24 hours 5.52 in May 1927; maximum monthly snowfall 26.5 in February 1900; maximum snowfall in 24 hours 18.0 in February 1900.

(a) Length of record, years, based on January data. Other months may be for more or fewer years if there have been breaks in the record.
(b) Climatological standard normals (1931-1960).
* Less than one half.
+ Also on earlier dates, months, or years.
T Trace, an amount too small to measure.
Below zero temperatures are preceded by a minus sign.
The prevailing direction for wind in the Normals, Means, and Extremes table is from records through 1963.
‡ ≥ 70° at Alaskan stations.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation, including snowfall, in inches; wind movement in miles per hour; and relative humidity in percent. Heating degree day totals are the sums of negative departures of average daily temperatures from 65° F. Cooling degree day totals are the sums of positive departures of average daily temperatures from 65° F. Sleet was included in snowfall totals beginning with July 1948. The term "Ice pellets" includes solid grains of ice (sleet) and particles consisting of snow pellets encased in a thin layer of ice. Heavy fog reduces visibility to 1/4 mile or less.

Sky cover is expressed in a range of 0 for no clouds or obscuring phenomena to 10 for complete sky cover. The number of clear days is based on average cloudiness 0-3, partly cloudy days 4-7, and cloudy days 8-10 tenths.

Solar radiation data are the averages of direct and diffuse radiation on a horizontal surface. The langley denotes one gram calorie per square centimeter.

& Figures instead of letters in a direction column indicate direction in tens of degrees from true North; i.e., 09-East, 18-South, 27-West, 36-North, and 00-Calm. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. If figures appear in the direction column under "Fastest mile" the corresponding speeds are fastest observed 1-minute values.

# To 8 compass points only.

551.5
Un3ape
1970

AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1931	32.6	36.7	36.7	52.6	58.2	75.7	79.2	74.0	73.0	59.2	50.2	38.6	55.6
1932	33.2	36.8	31.8	51.4	63.7	73.4	76.7	74.2	64.8	52.8	36.0	27.8	51.9
1933	37.6	26.8	39.4	50.9	62.8	78.9	78.5	73.0	72.6	51.8	39.6	32.6	53.7
1934	31.7	23.8	34.1	51.6	68.7	79.2	81.0	74.4	63.8	57.4	46.0	26.0	53.1
1935	26.2	31.4	44.3	48.4	55.8	67.4	79.2	74.8	65.8	54.4	38.6	23.2	50.8
1936	17.2	14.8	41.9	48.2	67.0	72.0	84.3	80.3	70.5	54.2	37.8	33.8	51.8
1937	23.8	27.8	36.2	49.7	63.2	70.8	75.8	78.3	65.8	52.2	36.7	26.8	50.6
1938	26.2	36.2	47.4	53.3	62.2	69.9	76.5	77.2	68.1	60.3	43.0	30.0	54.2
1939	32.2	27.5	41.0	47.7	66.2	73.0	76.2	73.2	71.7	57.1	41.2	33.9	53.4
1940	13.3	29.4	35.9	49.8	58.9	73.6	77.4	74.8	66.6	59.0	38.2	34.0	50.9
1941	28.4	25.7	35.4	56.0	66.8	73.4	77.0	76.2	69.7	58.0	43.3	36.4	53.9
1942	25.6	26.8	42.0	56.1	61.9	71.9	76.3	73.4	64.8	55.2	41.4	24.6	51.7
#1943	24.3	30.6	35.4	48.8	58.8	73.2	76.1	75.6	61.9	53.8	36.4	26.2	49.9
1944	31.0	29.4	34.4	47.4	66.4	74.2	74.8	73.8	66.2	54.4	43.0	22.2	51.4
1945	19.8	29.6	49.4	51.6	55.6	66.4	72.4	74.0	65.4	51.5	39.6	21.6	49.8
1946	27.2	30.8	50.1	54.2	58.2	70.4	76.1	69.9	65.8	59.0	42.8	33.0	53.1
1947	28.5	21.5	32.7	49.8	56.8	68.0	72.4	82.0	68.2	63.2	35.0	31.3	50.8
1948	20.2	27.6	37.5	55.0	59.6	70.6	74.8	74.3	69.0	52.2	42.8	31.4	51.2
1949	26.5	27.5	39.0	50.6	64.4	74.7	78.4	74.5	60.4	57.4	42.3	33.3	52.4
1950	29.2	26.9	34.6	44.3	63.6	69.9	72.4	69.0	65.8	60.1	34.0	20.8	49.2
1951	24.3	27.9	34.7	47.9	63.9	68.4	73.8	71.7	62.3	55.2	33.3	26.1	49.1
1952	27.2	33.0	36.1	52.4	60.9	76.7	77.0	72.6	65.7	48.4	42.5	32.3	52.1
1953	28.4	32.9	39.9	47.0	61.7	75.8	77.0	75.1	67.2	59.0	43.0	31.1	53.2
1954	27.4	37.5	35.4	55.6	57.5	75.5	77.8	73.8	69.1	55.4	41.8	31.1	53.1
1955	24.5	28.1	37.8	58.7	64.3	68.4	80.9	77.8	67.6	54.3	35.6	26.3	52.0
1956	25.9	29.8	38.9	48.8	64.3	74.1	73.7	74.1	65.5	61.6	39.9	31.8	52.4
1957	18.6	34.5	38.3	51.1	61.1	71.7	77.6	75.2	64.8	51.6	39.5	34.1	51.5
1958	25.0	19.5	36.8	52.2	62.7	66.4	72.8	73.9	65.8	56.5	43.1	23.0	49.8
#1959	18.5	27.0	38.9	51.0	66.1	73.6	75.0	77.8	68.1	51.3	32.9	34.7	51.3
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
1970	15.1	25.9	35.3	52.2	64.2	69.8	74.9	72.3	65.8	53.6	39.1	29.9	49.8
RECORD MEAN	24.5	28.0	38.4	50.9	61.6	71.4	75.7	73.8	66.3	54.7	40.4	28.6	51.2
MAX	32.6	36.2	47.7	61.2	72.5	82.1	86.6	84.6	77.4	65.6	49.2	36.2	61.0
MIN	16.4	19.7	29.1	40.6	50.7	60.6	64.7	62.9	55.2	43.7	31.5	21.0	41.3

TOTAL DEGREE DAYS

PEORIA, ILLINOIS

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1931-32	0	1	37	225	450	818	987	817	1029	410	111	0	4885
1932-33	1	0	93	389	867	1155	851	1069	798	432	134	9	5798
1933-34	0	0	21	412	765	1005	1034	1153	960	406	58	0	5814
1934-35	0	14	108	244	574	1208	1205	941	642	510	288	56	5790
1935-36	0	26	94	346	791	1297	1481	1455	717	521	72	12	6812
1936-37	0	0	58	350	815	967	1277	1039	892	465	137	22	6022
1937-38	0	0	115	427	853	1186	1205	807	544	377	161	6	5681
1938-39	0	0	81	206	665	1088	1019	1050	749	527	92	18	5495
1939-40	0	0	49	305	715	965	1602	1030	903	456	218	2	6245
1940-41	0	12	95	204	804	964	1136	1105	919	298	89	4	5630
1941-42	0	3	61	243	660	886	1221	1072	716	300	182	34	5378
#1942-43	0	8	189	317	706	1285	1262	967	923	485	228	25	6395
1943-44	0	1	151	354	860	1204	1056	1031	950	529	131	20	6287
1944-45	0	10	69	338	661	1328	1398	991	484	404	312	77	6072
1945-46	6	4	102	418	766	1347	1170	957	460	343	231	46	5850
1946-47	0	12	76	216	665	988	1133	1219	1005	456	263	48	6081
1947-48	6	0	109	119	895	1045	1390	1087	854	330	180	14	6029
1948-49	0	4	39	398	664	1040	1191	1050	805	434	107	3	5735
1949-50	0	0	168	266	682	984	1105	1062	936	613	97	36	5949
1950-51	2	18	62	191	925	1364	1254	1033	931	528	123	24	6455
1951-52	1	2	119	334	944	1198	1163	919	891	390	184	4	6149
1952-53	0	2	80	514	670	1005	1125	896	773	533	172	0	5770
1953-54	0	0	62	231	654	1045	1159	766	910	304	247	31	5409
1954-55	0	0	36	344	689	1046	1248	1030	836	190	90	41	5550
1955-56	0	0	41	331	874	1194	1208	1014	801	491	124	26	6104
1956-57	0	6	74	129	747	1026	1434	847	824	431	158	9	5685
1957-58	0	0	70	408	758	949	1233	1271	868	381	114	35	6087
1958-59	1	11	72	274	652	1296	1435	1057	800	418	103	5	6124
#1959-60	1	0	66	421	954	930	1171	1183	1308	374	233	18	6659
1960-61	2	0	53	342	724	1278	1351	922	750	612	277	29	6340
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6569
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211	1545	1088	914	402	115	28	6641
1970-71	2	3	84	353	774	1080							

TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1931	0.48	0.83	2.50	2.23	5.14	2.29	5.91	2.49	4.92	3.15	5.55	2.26	37.75
1932	2.51	1.40	2.51	1.99	3.61	4.75	3.41	3.14	1.78	3.18	0.94	4.46	33.68
1933	1.69	1.33	4.70	3.05	7.97	1.15	1.93	2.66	5.92	2.23	0.26	1.18	34.07
1934	1.05	0.77	1.76	1.13	0.47	2.82	5.44	2.30	6.57	1.97	4.81	1.34	30.43
1935	1.93	2.83	3.32	2.91	8.58	6.62	2.64	0.98	3.33	1.59	4.03	1.39	40.15
1936	1.79	1.63	1.80	1.64	1.72	0.45	1.24	2.27	10.58	3.35	1.18	3.26	30.91
1937	2.86	2.46	1.02	4.42	3.22	4.87	2.32	1.55	1.14	2.69	1.28	2.06	29.89
1938	4.32	2.21	4.42	3.80	5.72	6.76	6.34	3.01	2.12	0.84	1.65	1.43	42.62
1939	3.40	2.88	3.24	5.16	4.48	5.53	4.80	2.38	0.85	3.80	1.14	0.61	38.27
1940	0.58	0.61	2.01	3.83	3.30	1.24	0.84	3.60	0.92	3.25	2.06	1.75	23.99
1941	3.11	1.01	1.48	5.04	6.52	3.38	1.66	2.79	5.32	10.80	2.00	1.46	44.57
1942	1.39	5.18	2.18	3.71	3.48	5.56	4.73	2.24	2.55	0.96	4.58	2.58	39.14
#1943	1.68	1.04	2.43	5.79	7.35	3.49	2.56	4.63	0.88	1.60	1.23	0.58	33.26
1944	0.57	1.74	5.92	8.32	4.12	2.72	1.73	2.86	4.49	1.23	1.33	0.90	35.93
1945	0.49	1.24	3.90	5.58	4.90	5.66	0.57	1.11	7.36	0.74	2.19	2.39	36.13
1946	2.63	0.58	4.22	1.55	5.06	7.41	0.79	3.40	2.32	3.88	5.29	1.76	38.89
1947	1.47	0.33	2.25	8.66	4.63	7.13	1.64	1.33	2.49	3.57	2.54	3.13	39.17
1948	1.25	1.70	3.94	1.81	2.55	3.25	8.18	0.81	1.72	1.18	1.13	2.61	30.13
1949	4.43	1.63	2.57	2.75	1.17	3.25	4.93	1.28	1.62	2.71	0.65	6.34	33.33
1950	4.09	2.75	1.73	8.49	1.45	5.90	4.13	1.67	3.49	0.61	2.04	0.95	37.30
1951	1.58	3.44	3.35	4.09	2.56	4.04	5.81	3.30	2.50	2.97	2.43	1.16	37.23
1952	1.51	1.59	4.10	3.88	3.90	5.68	2.44	4.73	1.77	0.85	3.09	1.89	35.43
1953	1.28	0.77	4.80	2.81	2.16	3.47	6.32	1.61	2.11	0.74	0.43	2.33	28.83
1954	0.89	2.68	3.41	5.47	2.59	6.35	3.82	8.56	0.93	3.27	2.19	1.80	41.96
1955	2.56	2.44	1.76	3.69	3.54	3.20	0.65	4.72	2.62	3.73	0.72	0.36	29.99
1956	0.25	1.11	0.54	3.12	5.20	0.98	4.67	4.47	0.41	0.67	2.30	1.90	25.62
1957	1.70	0.83	2.63	5.61	7.96	3.04	2.00	1.57	1.21	4.34	2.55	3.55	36.99
1958	1.30	0.57	0.39	2.65	3.32	4.86	8.42	3.35	3.15	0.93	2.02	0.49	31.45
1959	1.71	1.84	3.46	2.50	5.09	1.03	2.83	2.25	3.51	3.56	0.96	1.89	30.63
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
1970	0.56	0.64	1.60	7.18	3.89	3.92	5.46	3.21	11.49	4.36	1.11	1.30	44.72
RECORD MEAN	1.82	1.81	2.76	3.52	3.91	3.81	3.75	3.07	3.74	2.43	2.27	1.96	34.85

TOTAL SNOWFALL

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1931-32	0.0	0.0	0.0	0.0	0.7	4.9	1.6	3.4	5.9	T	0.0	0.0	16.5
1932-33	0.0	0.0	0.0	T	5.6	5.9	0.6	10.9	4.1	T	0.0	0.0	27.1
1933-34	0.0	0.0	0.0	0.0	T	1.5	0.8	10.8	14.7	T	0.0	0.0	27.8
1934-35	0.0	0.0	0.0	0.0	0.0	8.2	0.1	1.2	0.1	3.0	0.0	0.0	12.6
1935-36	0.0	0.0	0.0	0.0	0.1	10.9	15.4	7.3	0.9	3.0	0.0	0.0	37.6
1936-37	0.0	0.0	0.0	T	0.1	0.6	4.7	2.0	1.2	T	0.0	0.0	8.6
1937-38	0.0	0.0	0.0	T	4.1	0.8	6.3	7.0	T	6.2	0.0	0.0	24.4
1938-39	0.0	0.0	0.0	T	0.6	0.9	13.6	3.3	T	T	0.0	0.0	18.4
1939-40	0.0	0.0	0.0	0.0	T	8.0	4.3	8.2	2.3	T	T	0.0	22.8
1940-41	0.0	0.0	0.0	0.0	1.3	0.3	9.1	3.3	5.1	0.0	0.0	0.0	19.1
1941-42	0.0	0.0	0.0	0.0	3.5	3.6	3.5	8.9	0.7	T	0.0	0.0	20.2
#1942-43	0.0	0.0	1.0	0.0	3.2	9.5	14.2	6.5	7.7	0.2	0.0	0.0	42.3
1943-44	0.0	0.0	0.0	0.0	0.4	3.0	T	11.0	2.8	0.0	T	0.0	17.2
1944-45	0.0	0.0	0.0	0.0	0.3	8.3	7.0	3.0	2.7	T	0.0	0.0	21.3
1945-46	0.0	0.0	0.0	0.0	0.5	7.0	1.8	3.2	9.9	T	0.0	0.0	22.4
1946-47	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.3	6.8	T	0.0	0.0	22.3
1947-48	0.0	0.0	0.0	0.0	3.6	1.8	4.3	4.0	3.0	0.0	0.0	0.0	16.7
1948-49	0.0	0.0	0.0	0.0	T	2.0	3.2	3.8	0.1	1.2	0.0	0.0	10.3
1949-50	0.0	0.0	0.0	0.0	0.3	3.6	2.1	10.7	2.0	T	T	0.0	18.7
1950-51	0.0	0.0	0.0	T	4.8	8.3	4.8	5.4	10.2	2.1	0.0	0.0	35.6
1951-52	0.0	0.0	0.0	0.0	8.9	9.8	2.3	6.5	4.8	T	0.0	0.0	32.3
1952-53	0.0	0.0	0.0	0.0	T	2.4	5.2	0.4	3.2	2.6	0.0	0.0	13.8
1953-54	0.0	0.0	0.0	0.0	1.8	4.3	0.1	2.8	4.3	0.0	T	0.0	13.3
1954-55	0.0	0.0	0.0	T	4.0	8.2	12.0	3.1	5.6	0.0	0.0	0.0	32.9
1955-56	0.0	0.0	0.0	T	2.2	2.3	1.8	5.2	4.5	T	0.0	0.0	16.0
1956-57	0.0	0.0	0.0	0.0	2.8	9.1	10.0	0.5	8.2	1.6	0.0	0.0	32.2
1957-58	0.0	0.0	0.0	T	0.4	5.4	11.0	1.5	0.4	T	0.0	0.0	18.7
1958-59	0.0	0.0	0.0	0.0	1.0	5.0	11.6	2.6	4.2	T	0.0	0.0	24.4
1959-60	0.0	0.0	0.0	0.0	7.0	2.4	3.3	12.0	16.9	T	T	0.0	41.6
1960-61	0.0	0.0	0.0	0.0	0.3	4.6	3.5	5.3	0.7	1.2	0.0	0.0	15.6
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0	7.3	5.9	8.3	4.6	0.0	0.0	37.7
1970-71	0.0	0.0	0.0	0.0	T	3.4							

Record mean values above (not adjusted for instrument location changes listed in the Station Location table) are means for the period beginning in 1905 for temperature and 1856 for precipitation.

# Indicates a break in the data sequence during the year, or season, due to a station move or relocation of instruments. See Station Location table.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground								Sea level	
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyranometer	
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40° 41'	89° 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40° 41'	89° 36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40° 41'	89° 36'	460										
Corner of Pecan & Meyer	1869	1872	9 blks. WSW	40° 41'	89° 36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40° 41'	89° 36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40° 41'	89° 36'	495										
701 Fourth Street	1889	1905	9 blks. NW	40° 42'	89° 36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40° 43'	89° 36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Bldg. Municipal Airport 5 miles WSW of P. O.	3/01/35	5/04/43		40° 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Bldg. Municipal Airport	5/04/43	10/01/59	Not moved	40° 40'	89° 41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg. Greater Peoria Airport	10/01/59	Present	2300 feet WNW	40° 40'	89° 41'	652	20	6	6		4	4	4	5		

Requests for additional information should be directed to the National Weather Service Office for which this summary was issued.

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LOCAL CLIMATOLOGICAL DATA

ANNUAL SUMMARY WITH COMPARATIVE DATA

1969

PEORIA, ILLINOIS

NARRATIVE CLIMATOLOGICAL SUMMARY

The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

The Airport Station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good.

Monthly mean temperatures range from 25° during January to 76° during July with an annual average of 51°. Illustrating the extreme conditions that have occurred, the single year of 1936 had 17 days with temperatures 100° or higher in July while the early part of that same year had 26 zero days in a 31-day period. 1936 also had the absolute maximum record of 113° set on July 15, but the absolute minimum of -27° dates back to January of 1884. June and September are usually the most pleasant months of the year. Then during October or first of November, "Indian Summer" is often experienced with an extended period of warm dry weather.

The average date for the last occurrence in the spring of temperatures as low as 32° is April 16 with the latest date occurring on May 12 in 1960. The average date for the first occurrence in the fall of temperatures as low as 32° is October 21 with the earliest date occurring on September 26 in 1928. The average growing season is 189 days with the longest growing season of record of 214 days occurring in 1931, while the shortest was 151 days in 1928.

The normal annual precipitation is 34.84 inches with individual years ranging from 23.18 inches in 1910 to 53.26 inches in 1858. Precipitation is normally heaviest during the growing season and at a minimum during midwinter. However, the wettest month on record was September in 1961 with 13.09 inches; and the driest was October of 1964 with only 0.03 of an inch. The maximum amount of rainfall occurring in any 24-hour period was 5.52 inches in May of 1927. Maximum amounts recorded for shorter periods are: for 5 minutes, 0.75 of an inch; for 15 minutes, 1.26 inches; for 30 minutes, 2.10 inches; and for 60 minutes, 2.60 inches.

Annual snowfall has ranged from only 6.0 inches in 1928 to 45.7 inches in 1926. The earliest snow of record occurred on September 25, 1942, when 1.0 inch fell; while traces have occurred as late in the spring as May 9. The heaviest single storm of record brought 18 inches during the last 2 days of February in 1900.

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METEOROLOGICAL DATA FOR THE CURRENT YEAR

Station: PEORIA, ILLINOIS GREATER PEORIA AIRPORT Standard time used: CENTRAL Latitude: 40° 40' N Longitude: 89° 41' W Elevation (ground): 652 feet Year: 1969

Month	Temperature							Degree days (Base 65°)		Precipitation						Relative humidity				Wind &						Percent of possible sunshine	Average sky cover sunrise to sunset	Number of days											Average daily solar radiation - langleys
	Averages			Extremes									Snow, Ice pellets			Hour	Hour	Hour	Hour	Resultant			Fastest mile					Sunrise to sunset							Temperatures Maximum		Temperatures Minimum		
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date	Heating	Cooling	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date	00 (Local time)	06	12	18	Direction	Speed	Average speed	Speed	Direction #	Date			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog	90° and above ‡	32° and below	32° and below	0° and below	
JAN	27.7	12.9	20.3	47	29+	-8	4	1377	0	2.43	0.60	15-16	4.6	3.0	5	77	77	74	77	23	2.6	11.6	32	W	9+	34	7.5	6	4	21	14	1	2	8	0	19	29	6	
FEB	37.1	23.6	30.4	45	16	8	3	962	0	0.56	0.32	8	2.2	1.3	8	78	82	67	70	04	3.2	10.1	30	NW	11	44	7.3	5	4	19	6	1	0	3	0	7	28	0	
MAR	43.6	22.3	33.0	71	18	10	12	984	0	1.20	0.77	23-24	4.1	2.5	25-26	78	85	59	58	29	4.5	10.9	38	E	24	62	5.8	10	8	13	6	3	0	0	0	5	27	0	
APR	63.7	41.4	52.6	79	26	30	6	367	0	2.94	0.83	27	0.0	0.0		74	82	59	56	16	1.8	11.8	33	NW	22	51	6.5	8	6	16	13	0	5	3	0	0	3	0	
MAY	72.8	50.0	61.4	89	29	37	12	172	67	2.37	0.53	21-22	0.0	0.0		76	83	58	59	19	1.3	9.5	30	NW	11+	52	6.7	6	11	14	13	0	7	2	0	0	0	0	
JUN	76.9	55.9	66.4	92	29+	40	3	73	122	4.93	2.09	30	0.0	0.0		76	80	58	60	20	2.0	10.5	43	W	25	50	7.2	3	12	15	11	0	10	0	3	0	0	0	
JUL	84.5	66.6	75.6	94	16	60	30	0	334	5.55	1.53	5-6	0.0	0.0		86	89	64	68	20	0.8	7.0	30	W	27+	60	6.2	5	15	11	9	0	10	3	4	0	0	0	
AUG	83.5	62.6	73.1	90	30	56	23+	0	260	2.82	2.17	8-9	0.0	0.0		82	87	56	60	17	1.4	5.9	22	S	8	75	4.6	15	6	10	6	0	4	1	1	0	0	0	
SEP	74.9	54.6	64.8	84	3	42	28	77	80	3.31	0.94	5-6	0.0	0.0		81	86	58	63	09	1.1	7.1	29	NW	27	59	6.0	7	10	13	12	0	5	2	0	0	0	0	
OCT	62.0	40.9	51.5	86	4	21	28	443	30	5.67	3.70	10-11	0.0	0.0		73	83	59	61	19	2.5	9.6	30	W	20+	49	6.0	10	5	16	8	0	5	0	0	0	10	0	
NOV	46.8	28.1	37.5	64	6	14	20	818	0	0.79	0.42	16-17	0.6	0.6	14	76	83	61	66	25	3.9	10.0	29	NW	19	47	6.7	7	6	17	7	0	0	3	0	2	19	0	
DEC	32.1	19.4	25.8	52	2	2	27	1211	0	1.13	0.59	6-7	11.0	4.6	6-7	79	82	70	74	30	1.7	10.2	30	NW	14	39	7.8	3	7	21	11	4	0	1	0	17	31	0	
YEAR	58.8	39.9	49.4	94	JUL. 16	-8	JAN. 4	6484	893	33.70	3.70	OCT. 10-11	22.5	4.6	DEC. 6-7	78	83	62	64	23	1.0	9.5	43	W	JUN. 25	53	6.5	85	94	186	116	9	48	26	8	50	147	6	

NORMALS, MEANS, AND EXTREMES

Month	Temperature							Normal heating degree days (Base 65°)	Precipitation												Relative humidity				Wind &					Pct. of possible sunshine	Mean sky cover sunrise to sunset	Mean number of days											Average daily solar radiation - langleys
	Normal			Extremes												Snow, Ice pellets					Hour	Hour	Hour	Hour			Fastest mile					Sunrise to sunset							Temperatures Max.		Temperatures Min.		
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year		Normal total	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Mean total	Maximum monthly	Year	Maximum in 24 hrs.	Year	00 (Local time)	06	12	18	Mean speed	Prevailing direction	Speed	Direction #	Year			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog	90° and above ‡	32° and below	32° and below	0° and below	
(a)	(b)	(b)	(b)	10		10		(b)	(b)	30		30		26		26	26		26		10	10	10	10	26	9	26	26		26	26	26	26	26	30	26	26	26	10	10	10	10	
J	33.7	17.6	25.7	66	1967	-20	1963	1218	1.88	8.11	1965	0.25	1956	4.45	1965	5.4	12.0	1955	9.0	1967	76	77	69	71	11.2	S	54	S	1950	45	6.8	7	6	18	9	2	1	4	0	18	29	6	
F	36.6	20.1	28.4	60	1965	-13	1963	1025	1.71	5.18	1942	0.33	1947	1.92	1954	4.7	12.0	1960	7.6	1944	77	79	65	69	11.6	WNW	52	W	1953	49	6.6	7	6	15	8	2	1	3	0	12	27	2	
M	46.7	28.4	37.6	81	1967	-10	1960	849	2.85	5.92	1944	0.39	1958	3.39	1944	4.7	16.9	1960	9.0	1946	79	83	65	67	12.3	WNW	56	W	1959+	52	6.8	7	8	16	11	2	3	2	0	6	22	1	
A	61.2	40.3	50.8	85	1964+	20	1961	426	3.97	8.66	1947	0.89	1962	5.06	1950	0.4	2.6	1953	2.4	1953	73	80	58	57	12.4	S	66	SW	1947	55	6.8	6	8	16	12	*	5	1	0	0	6	0	
M	72.3	50.7	61.5	91	1967	25	1966	183	4.27	7.96	1957	1.04	1964	3.62	1956	T	0.1	1966	0.1	1966	75	81	58	57	10.7	S	61	SW	1950	60	6.3	7	10	14	12	0	6	1	*	0	1	0	
J	82.3	61.1	71.7	96	1964+	40	1969	33	4.08	7.41	1946	0.98	1956	3.73	1968	0.0	0.0		0.0		76	82	56	56	9.2	S	66	N	1953	65	6.1	7	11	12	10	0	9	1	5	0	0	0	
J	87.0	65.0	76.0	102	1966	47	1962	0	3.54	8.42	1958	0.57	1945	3.56	1953	0.0	0.0		0.0		82	86	60	60	8.1	S	75	NW	1953	69	5.4	9	13	9	8	0	8	1	6	0	0	0	
A	85.1	63.5	74.3	99	1964	44	1967+	6	2.88	8.61	1965	0.81	1948	4.32	1955	0.0	0.0		0.0		82	88	59	61	8.0	S	65	W	1956	69	5.2	11	10	10	8	0	6	1	4	0	0	0	
S	77.8	55.0	66.4	94	1960	34	1967	87	3.05	13.09	1961	0.41	1956	4.15	1961	0.0	0.0		0.0		82	88	59	64	8.9	S	73	W	1965	67	4.8	12	9	9	8	0	5	1	2	0	0	0	
O	66.5	44.1	55.3	90	1963	19	1962	326	2.53	10.80	1941	0.03	1964	3.70	1969	0.1	1.8	1967	1.8	1967	76	84	57	60	9.7	S	60	SW	1958	64	4.9	13	7	11	7	*	3	1	*	0	5	0	
N	48.6	30.7	39.7	77	1964+	4	1964	759	2.14	5.29	1946	0.43	1953	2.45	1946	1.7	8.9	1951	7.2	1951	78	82	65	69	11.4	S	56	W	1964+	47	6.5	8	6	16	8	1	1	2	0	1	17	0	
D	36.8	21.3	29.1	64	1960	-18	1963	1113	1.94	6.34	1949	0.33	1962	3.38	1949	5.4	11.0	1969	6.8	1956	80	82	71	75	11.0	S	58	SW	1948	41	6.9	7	6	18	9	2	1	3	0	15	27	3	
YR	61.2	41.5	51.4	102	JUL. 1966	-20	JAN. 1963	6025	34.84	13.09	SEP. 1961	0.03	OCT. 1964	5.06	APR. 1950	22.4	16.9	MAR. 1960	9.0	JAN. 1967+	78	83	62	64	10.4	S	75	NW	JUL. 1953	58	6.1	101	100	164	109	8	48	20	17	52	133	11	

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 113 in July 1936; lowest temperature -27 in January 1884; maximum precipitation in 24 hours 5.52 in May 1927; maximum monthly snowfall 26.5 in February 1900; maximum snowfall in 24 hours 18.0 in February 1900.

(a) Length of record, years, based on January data. Other months may be for more or fewer years if there have been breaks in the record.
(b) Climatological standard normals (1931-1960).
* Less than one half.
+ Also on earlier dates, months, or years.
T Trace, an amount too small to measure.
Below zero temperatures are preceded by a minus sign.
The prevailing direction for wind in the Normals, Means, and Extremes table is from records through 1963.
‡ ⋝ 70° at Alaskan stations.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation, including snowfall, in inches; wind movement in miles per hour; and relative humidity in percent. Heating degree day totals are the sums of negative departures of average daily temperatures from 65° F. Cooling degree day totals are the sums of positive departures of average daily temperatures from 65° F. Sleet was included in snowfall totals beginning with July 1948. The term "ice pellets" includes solid grains of ice (sleet) and particles consisting of snow pellets encased in a thin layer of ice. Heavy fog reduces visibility to 1/4 mile or less.

Sky cover is expressed in a range of 0 for no clouds or obscuring phenomena to 10 for complete sky cover. The number of clear days is based on average cloudiness 0-3, partly cloudy days 4-7, and cloudy days 8-10 tenths.

Solar radiation data are the averages of direct and diffuse radiation on a horizontal surface. The langley denotes one gram calorie per square centimeter.

& Figures instead of letters in a direction column indicate direction in tens of degrees from true North; i.e., 09-East, 18-South, 27-West, 36-North, and 00-Calm. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. If figures appear in the direction column under "Fastest mile" the corresponding speeds are fastest observed 1-minute values.

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AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1931	32.6	36.7	36.7	52.6	58.2	75.7	79.2	74.0	73.0	59.2	50.2	38.6	55.6
1932	33.2	36.8	31.8	51.4	63.7	73.4	76.7	74.2	64.8	52.8	36.0	27.8	51.9
1933	37.6	26.8	39.4	50.9	62.8	78.9	78.5	73.0	72.6	51.8	39.6	32.6	53.7
1934	31.7	23.8	34.1	51.6	68.7	79.2	81.0	74.4	63.8	57.4	46.0	26.0	53.1
1935	26.2	31.4	44.3	48.4	55.8	67.4	79.2	74.8	65.8	54.4	38.6	23.2	50.8
1936	17.2	14.8	41.9	48.2	67.0	72.0	84.3	80.3	70.5	54.2	37.8	33.8	51.8
1937	23.8	27.8	36.2	49.7	63.2	70.8	75.8	78.3	65.8	52.2	36.7	26.8	50.6
1938	26.2	36.2	47.4	53.3	62.2	69.9	76.5	77.2	68.1	60.3	43.0	30.0	54.2
1939	32.2	27.5	41.0	47.7	66.2	73.0	76.2	73.2	71.7	57.1	41.2	33.9	53.4
1940	13.3	29.4	35.9	49.8	58.9	73.6	77.4	74.8	66.6	59.0	38.2	34.0	50.9
1941	28.4	25.7	35.4	56.0	66.8	73.4	77.0	76.2	69.7	58.0	43.3	36.4	53.9
1942	25.6	26.8	42.0	56.1	61.9	71.9	76.3	73.4	64.8	55.2	41.4	24.6	51.7
#1943	24.3	30.6	35.4	48.8	58.8	73.2	76.1	75.6	61.9	53.8	36.4	26.2	49.9
1944	31.0	29.4	34.4	47.4	66.4	74.2	74.8	73.8	66.2	54.4	43.0	22.2	51.4
1945	19.8	29.6	49.4	51.6	55.6	66.4	72.4	74.0	65.4	51.5	39.6	21.6	49.8
1946	27.2	30.8	50.1	54.2	58.2	70.4	76.1	69.9	65.8	59.0	42.8	33.0	53.1
1947	28.5	21.5	32.7	49.8	56.8	68.0	72.4	82.0	68.2	63.2	35.0	31.3	50.8
1948	20.2	27.6	37.5	55.0	59.6	70.6	74.8	74.3	69.0	52.2	42.8	31.4	51.2
1949	26.5	27.5	39.0	50.6	64.4	74.7	78.4	74.5	60.4	57.4	42.3	33.3	52.4
1950	29.2	26.9	34.6	44.3	63.6	69.9	72.4	69.0	65.8	60.1	34.0	20.8	49.2
1951	24.3	27.9	34.7	47.9	63.9	68.4	73.8	71.7	62.3	55.2	33.3	26.1	49.1
1952	27.2	33.0	36.1	52.4	60.9	76.7	77.0	72.6	65.7	48.4	42.5	32.3	52.1
1953	28.4	32.9	39.9	47.0	61.7	75.8	77.0	75.1	67.2	59.0	43.0	31.1	53.2
1954	27.4	37.5	35.4	55.6	57.5	75.5	77.8	73.8	69.1	55.4	41.8	31.1	53.1
1955	24.5	28.1	37.8	58.7	64.3	68.4	80.9	77.8	67.6	54.3	35.6	26.3	52.0
1956	25.9	29.8	38.9	48.8	64.3	74.1	73.7	74.1	65.5	61.6	39.9	31.8	52.4
1957	18.6	34.5	38.3	51.1	61.1	71.7	77.6	75.2	64.8	51.6	39.5	34.1	51.5
1958	25.0	19.5	36.8	52.2	62.7	66.4	72.8	73.9	65.8	56.5	43.1	23.0	49.8
#1959	18.5	27.0	38.9	51.0	66.1	73.6	75.0	77.8	68.1	51.3	32.9	34.7	51.3
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
1968	22.1	23.7	43.0	52.4	57.7	72.4	73.2	73.8	64.3	53.9	40.4	27.6	50.4
1969	20.3	30.4	33.0	52.6	61.4	66.4	75.6	73.1	64.8	51.5	37.5	25.8	49.4
RECORD													
MEAN	24.7	28.0	38.5	50.9	61.6	71.4	75.7	73.8	66.3	54.7	40.4	28.6	51.2
MAX	32.7	36.2	47.8	61.2	72.4	82.1	86.6	84.7	77.4	65.6	49.2	36.1	61.0
MIN	16.6	19.8	29.2	40.6	50.7	60.6	64.7	62.9	55.2	43.7	31.5	21.0	41.4

TOTAL DEGREE DAYS

PEORIA, ILLINOIS

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1930-31	2	0	48	410	680	1092	1004	792	874	390	255	32	5579
1931-32	0	1	37	225	450	818	987	817	1029	410	111	0	4885
1932-33	1	0	93	389	867	1155	851	1069	798	432	134	9	5798
1933-34	0	0	21	412	765	1005	1034	1153	960	406	58	0	5814
1934-35	0	14	108	244	574	1208	1205	941	642	510	288	56	5790
1935-36	0	26	94	346	791	1297	1481	1455	717	521	72	12	6812
1936-37	0	0	58	350	815	967	1277	1039	892	465	137	22	6022
1937-38	0	0	115	427	853	1186	1205	807	544	377	161	6	5681
1938-39	0	0	81	206	665	1088	1019	1050	749	527	92	18	5495
1939-40	0	0	49	305	715	965	1602	1030	903	456	218	2	6245
1940-41	0	12	95	204	804	964	1136	1105	919	298	89	4	5630
1941-42	0	3	61	243	660	886	1221	1072	716	300	182	34	5378
#1942-43	0	8	189	317	706	1285	1262	967	923	485	228	25	6395
1943-44	0	1	151	354	860	1204	1056	1031	950	529	131	20	6287
1944-45	0	10	69	338	661	1328	1398	991	484	404	312	77	6072
1945-46	6	4	102	418	766	1347	1170	957	460	343	231	46	5850
1946-47	0	12	76	216	665	988	1133	1219	1005	456	263	48	6081
1947-48	6	0	109	119	895	1045	1390	1087	854	330	180	14	6029
1948-49	0	4	39	398	664	1040	1191	1050	805	434	107	3	5735
1949-50	0	0	168	266	682	984	1105	1062	936	613	97	36	5949
1950-51	2	18	62	191	925	1364	1254	1033	931	528	123	24	6455
1951-52	1	2	119	334	944	1198	1163	919	891	390	184	4	6149
1952-53	0	2	80	514	670	1005	1125	896	773	533	172	0	5770
1953-54	0	0	62	231	654	1045	1159	766	910	304	247	31	5409
1954-55	0	0	36	344	689	1046	1248	1030	836	190	90	41	5550
1955-56	0	0	41	331	874	1194	1208	1014	801	491	124	26	6104
1956-57	0	6	74	129	747	1026	1434	847	824	431	158	9	5685
1957-58	0	0	70	408	758	949	1233	1271	868	381	114	35	6087
1958-59	1	11	72	274	652	1296	1435	1057	800	418	103	5	6124
#1959-60	1	0	66	421	954	930	1171	1183	1308	374	233	18	6659
1960-61	2	0	53	342	724	1278	1351	922	750	612	277	29	6340
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6569
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083	1323	1192	673	371	229	13	6272
1968-69	5	7	68	377	732	1150	1377	962	984	367	172	73	6274
1969-70	0	0	77	443	818	1211							

TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1931	0.48	0.83	2.50	2.23	5.14	2.29	5.91	2.49	4.92	3.15	5.55	2.26	37.75
1932	2.51	1.40	2.51	1.99	3.61	4.75	3.41	3.14	1.78	3.18	0.94	4.46	33.68
1933	1.69	1.33	4.70	3.05	7.97	1.15	1.93	2.66	5.92	2.23	0.26	1.18	34.07
1934	1.05	0.77	1.76	1.13	0.47	2.82	5.44	2.30	6.57	1.97	4.81	1.34	30.43
1935	1.93	2.83	3.32	2.91	8.58	6.62	2.64	0.98	3.33	1.59	4.03	1.39	40.15
1936	1.79	1.63	1.80	1.64	1.72	0.45	1.24	2.27	10.58	3.35	1.18	3.26	30.91
1937	2.86	2.46	1.02	4.42	3.22	4.87	2.32	1.55	1.14	2.69	1.28	2.06	29.89
1938	4.32	2.21	4.42	3.80	5.72	6.76	6.34	3.01	2.12	0.84	1.65	1.43	42.62
1939	3.40	2.88	3.24	5.16	4.48	5.53	4.80	2.38	0.85	3.80	1.14	0.61	38.27
1940	0.58	0.61	2.01	3.83	3.30	1.24	0.84	3.60	0.92	3.25	2.06	1.75	23.99
1941	3.11	1.01	1.48	5.04	6.52	3.38	1.66	2.79	5.32	10.80	2.00	1.46	44.57
1942	1.39	5.18	2.18	3.71	3.48	5.56	4.73	2.24	2.55	0.96	4.58	2.58	39.14
#1943	1.68	1.04	2.43	5.79	7.35	3.49	2.56	4.63	0.88	1.60	1.23	0.58	33.26
1944	0.57	1.74	5.92	8.32	4.12	2.72	1.73	2.86	4.49	1.23	1.33	0.90	35.93
1945	0.49	1.24	3.90	5.58	4.90	5.66	0.57	1.11	7.36	0.74	2.19	2.39	36.13
1946	2.63	0.58	4.22	1.55	5.06	7.41	0.79	3.40	2.32	3.88	5.29	1.76	38.89
1947	1.47	0.33	2.25	8.66	4.63	7.13	1.64	1.33	2.49	3.57	2.54	3.13	39.17
1948	1.25	1.70	3.94	1.81	2.55	3.25	8.18	0.81	1.72	1.18	1.13	2.61	30.13
1949	4.43	1.63	2.57	2.75	1.17	3.25	4.93	1.28	1.62	2.71	0.65	6.34	33.33
1950	4.09	2.75	1.73	8.49	1.45	5.90	4.13	1.67	3.49	0.61	2.04	0.95	37.30
1951	1.58	3.44	3.35	4.09	2.56	4.04	5.81	3.30	2.50	2.97	2.43	1.16	37.23
1952	1.51	1.59	4.10	3.88	3.90	5.68	2.44	4.73	1.77	0.85	3.09	1.89	35.43
1953	1.28	0.77	4.80	2.81	2.16	3.47	6.32	1.61	2.11	0.74	0.43	2.33	28.83
1954	0.89	2.68	3.41	5.47	2.59	6.35	3.82	8.56	0.93	3.27	2.19	1.80	41.96
1955	2.56	2.44	1.76	3.69	3.54	3.20	0.65	4.72	2.62	3.73	0.72	0.36	29.99
1956	0.25	1.11	0.54	3.12	5.20	0.98	4.67	4.47	0.41	0.67	2.30	1.90	25.62
1957	1.70	0.83	2.63	5.61	7.96	3.04	2.00	1.57	1.21	4.34	2.55	3.55	36.99
1958	1.30	0.57	0.39	2.65	3.32	4.86	8.42	3.35	3.15	0.93	2.02	0.49	31.45
1959	1.71	1.84	3.46	2.50	5.09	1.03	2.83	2.25	3.51	3.56	0.96	1.89	30.63
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
1968	1.12	1.55	0.93	2.20	4.70	6.16	4.32	1.71	4.83	0.58	2.99	2.80	33.89
1969	2.43	0.56	1.20	2.94	2.37	4.93	5.55	2.82	3.31	5.67	0.79	1.13	33.70
RECORD													
MEAN	1.83	1.82	2.77	3.49	3.91	3.81	3.74	3.07	3.67	2.41	2.28	1.96	34.76

TOTAL SNOWFALL

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1930-31	0.0	0.0	0.0	T	3.8	1.2	1.2	T	10.3	T	0.0	0.0	16.5
1931-32	0.0	0.0	0.0	0.0	0.7	4.9	1.6	3.4	5.9	T	0.0	0.0	16.5
1932-33	0.0	0.0	0.0	T	5.6	5.9	0.6	10.9	4.1	T	0.0	0.0	27.1
1933-34	0.0	0.0	0.0	0.0	T	1.5	0.8	10.8	14.7	T	0.0	0.0	27.8
1934-35	0.0	0.0	0.0	0.0	0.0	8.2	0.1	1.2	0.1	3.0	0.0	0.0	12.6
1935-36	0.0	0.0	0.0	0.0	0.1	10.9	15.4	7.3	0.9	3.0	0.0	0.0	37.6
1936-37	0.0	0.0	0.0	T	0.1	0.6	4.7	2.0	1.2	T	0.0	0.0	8.6
1937-38	0.0	0.0	0.0	T	4.1	0.8	6.3	7.0	T	6.2	0.0	0.0	24.4
1938-39	0.0	0.0	0.0	T	0.6	0.9	13.6	3.3	T	T	0.0	0.0	18.4
1939-40	0.0	0.0	0.0	0.0	T	8.0	4.3	8.2	2.3	T	T	0.0	22.8
1940-41	0.0	0.0	0.0	0.0	1.3	0.3	9.1	3.3	5.1	0.0	0.0	0.0	19.1
1941-42	0.0	0.0	0.0	0.0	3.5	3.6	3.5	8.9	0.7	T	0.0	0.0	20.2
#1942-43	0.0	0.0	1.0	0.0	3.2	9.5	14.2	6.5	7.7	0.2	0.0	0.0	42.3
1943-44	0.0	0.0	0.0	0.0	0.4	3.0	T	11.0	2.8	0.0	T	0.0	17.2
1944-45	0.0	0.0	0.0	0.0	0.3	8.3	7.0	3.0	2.7	T	0.0	0.0	21.3
1945-46	0.0	0.0	0.0	0.0	0.5	7.0	1.8	3.2	9.9	T	0.0	0.0	22.4
1946-47	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.3	6.8	T	0.0	0.0	22.3
1947-48	0.0	0.0	0.0	0.0	3.6	1.8	4.3	4.0	3.0	0.0	0.0	0.0	16.7
1948-49	0.0	0.0	0.0	0.0	T	2.0	3.2	3.8	0.1	1.2	0.0	0.0	10.3
1949-50	0.0	0.0	0.0	0.0	0.3	3.6	2.1	10.7	2.0	T	T	0.0	18.7
1950-51	0.0	0.0	0.0	T	4.8	8.3	4.8	5.4	10.2	2.1	0.0	0.0	35.6
1951-52	0.0	0.0	0.0	0.0	8.9	9.8	2.3	6.5	4.8	T	0.0	0.0	32.3
1952-53	0.0	0.0	0.0	0.0	T	2.4	5.2	0.4	3.2	2.6	0.0	0.0	13.8
1953-54	0.0	0.0	0.0	0.0	1.8	4.3	0.1	2.8	4.3	0.0	T	0.0	13.3
1954-55	0.0	0.0	0.0	T	4.0	8.2	12.0	3.1	5.6	0.0	0.0	0.0	32.9
1955-56	0.0	0.0	0.0	T	2.2	2.3	1.8	5.2	4.5	T	0.0	0.0	16.0
1956-57	0.0	0.0	0.0	0.0	2.8	9.1	10.0	0.5	8.2	1.6	0.0	0.0	32.2
1957-58	0.0	0.0	0.0	T	0.4	5.4	11.0	1.5	0.4	T	0.0	0.0	18.7
1958-59	0.0	0.0	0.0	0.0	1.0	5.0	11.6	2.6	4.2	T	0.0	0.0	24.4
1959-60	0.0	0.0	0.0	0.0	7.0	2.4	3.3	12.0	16.9	T	T	0.0	41.6
1960-61	0.0	0.0	0.0	0.0	0.3	4.6	3.5	5.3	0.7	1.2	0.0	0.0	15.6
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2	8.4	1.6	1.1	T	0.0	0.0	17.6
1968-69	0.0	0.0	0.0	0.0	1.5	4.6	4.6	2.2	4.1	0.0	0.0	0.0	17.0
1969-70	0.0	0.0	0.0	0.0	0.6	11.0							

Record mean values above (not adjusted for instrument location changes listed in the Station Location table) are means for the period beginning in 1905 for temperature and 1856 for precipitation.

# Indicates a break in the data sequence during the year, or season, due to a station move or relocation of instruments. See Station Location table.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground								Sea level	
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyranometer	
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40° 41'	89° 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 blks. N	40° 41'	89° 36'	490										
Corner of Water and East Franklin	1865	1868	3 blks. S	40° 41'	89° 36'	460										
Corner of Pecan & Meyer	1869	1872	9 blks. WSW	40° 41'	89° 36'	502										
202 Liberty Street	1873	1884	11 blks. ENE	40° 41'	89° 36'	473										
315 Harrison Street	1885	1888	1 blk. NW	40° 41'	89° 36'	495										
701 Fourth Street	1889	1905	9 blks. NW	40° 42'	89° 36'	519		7					3			Standard shelter in 1896.
CITY																
101 South Institute Pl. (Bradley Campus)	2/01/05	8/15/44	1 mi. NW	40° 43'	89° 36'	602	45	11	11		5		5			Observation program at Airport from 5/4/43.
AIRPORT																
Administration Bldg. Municipal Airport 5 miles WSW of P. O.	3/01/35	5/04/43		40° 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39.
Administration Bldg. Municipal Airport	5/04/43	10/01/59	Not moved	40° 40'	89° 41'	654	c50	7	7		4		3			c - 26 feet to 11/22/48.
New Administration Bldg. Greater Peoria Airport	10/01/59	Present	2300 feet WNW	40° 40'	89° 41'	652	20	6	6		4	4	4	5		

Requests for additional information should be directed to the Weather Bureau Office for which this summary was issued.

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LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA, 1967

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PEORIA, ILLINOIS

NARRATIVE CLIMATOLOGICAL SUMMARY

The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

The Airport Station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good.

Monthly mean temperatures range from 25° during January to 76° during July with an annual average of 51°. Illustrating the extreme conditions that have occurred, the single year of 1936 had 17 days with temperatures 100° or higher in July while the early part of that same year had 26 zero days in a 31-day period. 1936 also had the absolute maximum record of 113° set on July 15, but the absolute minimum of -27° dates back to January of 1884. June and September are usually the most pleasant months of the year. Then during October or first of November, "Indian Summer" is often experienced with an extended period of warm dry weather.

The average date for the last occurrence in the spring of temperatures as low as 32° is April 16 with the latest date occurring on May 12 in 1960. The average date for the first occurrence in the fall of temperatures as low as 32° is October 21 with the earliest date occurring on September 26 in 1928. The average growing season is 189 days with the longest growing season of record of 214 days occurring in 1931, while the shortest was 151 days in 1928.

The normal annual precipitation is 34.84 inches with individual years ranging from 23.18 inches in 1910 to 53.26 inches in 1858. Precipitation is normally heaviest during the growing season and at a minimum during midwinter. However, the wettest month on record was September in 1961 with 13.09 inches; and the driest was October of 1964 with only 0.03 of an inch. The maximum amount of rainfall occurring in any 24-hour period was 5.52 inches in May of 1927. Maximum amounts recorded for shorter periods are: for 5 minutes, 0.75 of an inch; for 15 minutes, 1.26 inches; for 30 minutes, 2.10 inches; and for 60 minutes, 2.60 inches.

Annual snowfall has ranged from only 6.0 inches in 1928 to 45.7 inches in 1926. The earliest snow of record occurred on September 25, 1942, when 1.0 inch fell; while traces have occurred as late in the spring as May 9. The heaviest single storm of record brought 18 inches during the last 2 days of February in 1900.

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ENVIRONMENTAL DATA SERVICE

LATITUDE 40° 40' N
LONGITUDE 89° 41' W
ELEVATION (ground) 652 Feet

METEOROLOGICAL DATA FOR THE CURRENT YEAR

PEORIA, ILLINOIS
GREATER PEORIA AIRPORT
1967

Month	Temperature								Precipitation						Relative humidity				Wind &						Percent of possible sunshine	Average sky cover sunrise to sunset	Number of days										
	Averages			Extremes				Degree days				Snow, Sleet			Standard time used: CENTRAL				Resultant		Average speed	Fastest mile					Sunrise to sunset			Precipitation .01 inch or more	Snow, Sleet 1.0 inch or more	Thunderstorms	Heavy fog	Temperatures Maximum		Temperatures Minimum	
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date		Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date	Mid.	6 AM	Noon	6 PM	Direction	Speed		Speed	Direction #	Date			Clear	Partly cloudy	Cloudy					90° and above	32° and below	32° and below	0° and below
JAN	36.5	18.7	27.6	66	24	-10	18	1151	1.08	0.64	26-27	10.0	9.0	26-27	77	78	67	69	24	4.5	12.9	46	SE	24	48	7.2	4	9	18	6	2	1	4	0	16	28	2
FEB	30.9	12.7	21.8	53	15+	- 9	25	1205	1.07	0.79	1	3.6	1.8	23	70	71	67	65	26	4.1	12.9	46	NW	23	51	6.4	7	8	13	7	1	1	1	0	17	27	3
MAR	48.9	31.5	40.2	81	30	9	8	766	2.33	1.08	31	2.7	1.6	5	81	84	69	74	13	1.9	11.7	33	NW	16	47	7.9	3	8	20	11	1	2	3	0	5	17	0
APR	62.3	43.0	52.7	83	16	26	24	371	5.47	2.38	31-1	1.4	1.4	23	71	73	59	62	18	3.2	12.6	40	W	17	55	7.3	5	8	17	14	1	6	1	0	0	3	0
MAY	66.8	46.0	56.4	91	25	34	3	291	2.80	0.72	30	0.0	0.0		71	74	54	54	04	1.2	12.1	33	NW	2	57	6.6	7	8	16	10	0	5	0	1	0	0	0
JUN	82.5	62.1	72.3	92	15	48	2	7	2.03	1.29	10	0.0	0.0		78	83	60	62	18	3.5	8.9	30	W	10	56	7.1	4	9	17	10	0	7	0	3	0	0	0
JUL	82.5	61.4	72.0	91	23	50	14	10	5.74	1.68	26	0.0	0.0		78	82	59	59	25	2.1	8.1	40	W	1	64	5.7	7	16	8	12	0	11	3	4	0	0	0
AUG	78.2	57.9	68.1	88	2	44	31	30	2.34	0.76	3	0.0	0.0		81	86	60	63	27	0.4	8.1	30	NW	18	67	4.7	14	8	9	8	0	6	1	0	0	0	0
SEP	74.0	52.5	63.3	85	20	34	30+	113	2.72	1.13	20-21	0.0	0.0		76	83	55	62	11	1.9	9.0	30	NW	26	64	4.8	13	8	9	8	0	3	0	0	0	0	0
OCT	62.3	42.9	52.6	86	4	25	26	394	5.56	1.57	15-16	1.8	1.8	26-27	71	78	62	65	21	2.8	11.4	39	SW	24	50	6.3	9	7	15	12	1	5	1	0	0	3	0
NOV	44.4	29.1	36.8	62	11	15	28	841	2.18	0.63	1	2.5	0.9	3	74	77	66	68	25	4.2	10.8	29	NW	17	41	6.8	8	5	17	11	0	0	2	0	2	23	0
DEC	36.6	22.9	29.8	60	21	-14	31	1083	2.63	0.60	10-11	2.2	0.7	30-31	87	87	76	81	23	1.8	11.0	25	N	2	28	8.1	4	4	23	19	0	3	5	0	11	22	1
YEAR	58.8	40.1	49.5	92	JUN. 15	-14	DEC. 31	6262	35.95	2.38	APR. 31-1	24.2	9.0	JAN. 26-27	76	80	63	65	22	1.7	10.8	46	NW	FEB. 23+	54	6.6	85	98	182	128	6	50	21	8	51	123	6

NORMALS, MEANS, AND EXTREMES

Month	Temperature							Normal degree days	Precipitation												Relative humidity				Wind					Pct. of possible sunshine	Mean sky cover sunrise to sunset	Mean number of days										
	Normal			Extremes					Normal total	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Snow, Sleet					Standard time used: CENTRAL				Mean hourly speed	Prevailing direction	Fastest mile					Sunrise to sunset			Precipitation .01 inch or more	Snow, Sleet 1.0 inch or more	Thunderstorms	Heavy fog	Temperatures Max.		Temperatures Min.	
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year									Mean total	Maximum monthly	Year	Maximum in 24 hrs.	Year	Mid.	6 AM	Noon	6 PM			Speed	Direction #	Year			Clear	Partly cloudy	Cloudy					90° and above	32° and below	32° and below	0° and below
(a)	(b)	(b)	(b)	8		8		(b)	(b)	28		28		24		24	24		24		8	8	8	8	24	9	24	24		24	24	24	24	24	28	24	24	24	8	8	8	8
J	33.7	17.6	25.7	66	1967	-20	1963	1218	1.88	8.11	1965	0.25	1956	4.45	1965	5.3	12.0	1955	9.0	1967	76	77	68	70	11.2	S	54	S	1950	45	6.8	7	6	18	9	2	1	3	0	18	29	6
F	36.6	20.1	28.4	60	1965	-13	1963	1025	1.71	5.18	1942	0.33	1947	1.92	1954	4.9	12.0	1960	7.6	1944	79	80	67	71	11.6	WNW	52	W	1953	48	6.7	7	6	15	8	2	1	3	0	12	27	2
M	46.7	28.4	37.6	81	1967	-10	1960	849	2.85	5.92	1944	0.39	1958	3.39	1944	4.9	16.9	1960	9.0	1946	80	84	68	70	12.3	WNW	56	W	1959+	51	6.8	7	7	17	11	2	3	2	0	7	22	1
A	61.2	40.3	50.8	85	1964+	20	1961	426	3.97	8.66	1947	0.89	1962	5.06	1950	0.5	2.6	1953	2.4	1953	74	80	59	58	12.4	S	66	SW	1947	55	6.8	6	8	16	12	*	5	1	0	0	7	0
M	72.3	50.7	61.5	91	1967	25	1966	183	4.27	7.96	1957	1.04	1964	3.62	1956	T	0.1	1966	0.1	1966	75	81	58	57	10.7	S	61	SW	1950	61	6.3	7	10	14	11	0	6	1	*	0	1	0
J	82.3	61.1	71.7	96	1964+	41	1964	33	4.08	7.41	1946	0.98	1956	3.62	1946	0.0	0.0		0.0		76	82	56	56	9.1	S	66	N	1953	66	6.0	7	11	12	10	0	9	1	5	0	0	0
J	87.0	65.0	76.0	102	1966	47	1962	0	3.54	8.42	1958	0.57	1945	3.56	1953	0.0	0.0		0.0		81	86	59	59	8.2	S	75	NW	1953	69	5.3	9	13	9	8	0	8	1	6	0	0	0
A	85.1	63.5	74.3	99	1964	44	1967+	6	2.88	8.61	1965	0.81	1948	4.32	1955	0.0	0.0		0.0		81	87	59	61	8.0	S	65	W	1956	69	5.2	11	10	10	8	0	6	1	4	0	0	0
S	77.8	55.0	66.4	94	1960	34	1967	87	3.05	13.09	1961	0.41	1956	4.15	1961	0.0	0.0		0.0		81	88	59	64	9.0	S	73	W	1965	67	4.8	13	8	9	8	0	5	1	2	0	0	0
O	66.5	44.1	55.3	90	1963	19	1962	326	2.53	10.80	1941	0.03	1964	3.03	1957	0.1	1.8	1967	1.8	1967	76	84	56	60	9.6	S	60	SW	1958	65	4.8	13	8	10	7	*	2	1	*	0	4	0
N	48.6	30.7	39.7	77	1964+	4	1964	759	2.14	5.29	1946	0.43	1953	2.45	1946	1.8	8.9	1951	7.2	1951	78	82	65	68	11.5	S	56	W	1964+	47	6.4	8	7	15	8	1	2	2	0	1	18	0
D	36.8	21.3	29.1	64	1960	-18	1963	1113	1.94	6.34	1949	0.33	1962	3.38	1949	5.2	10.5	1961	6.8	1956	81	83	72	75	11.0	S	58	SW	1948	42	6.8	7	6	18	9	2	1	3	0	16	26	3
YR	61.2	41.5	51.4	102	JUL. 1966	-20	JAN. 1963	6025	34.84	13.09	SEP. 1961	0.03	OCT. 1964	5.06	APR. 1950	22.7	16.9	MAR. 1960	9.0	JAN. 1967+	78	83	62	64	10.4	S	75	NW	JUL. 1953	58	6.1	102	100	163	109	8	48	20	18	54	133	12

Means and extremes in the above table are from the existing or comparable location(s). Annual extremes have been exceeded at other locations as follows: Highest temperature 113 in July 1936; lowest temperature -27 in January 1884; maximum precipitation in 24 hours 5.52 in May 1927; maximum monthly snowfall 26.5 in February 1900; maximum snowfall in 24 hours 18.0 in February 1900.

(a) Length of record, years.
(b) Climatological standard normals (1931-1960).
* Less than one half.
+ Also on earlier dates, months or years.
T Trace, an amount too small to measure.
Below-zero temperatures are preceded by a minus sign.
The prevailing direction for wind in the Normals, Means, and Extremes table is from records through 1963.

# To 8 compass points only.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation, including snowfall, in inches; wind movement in miles per hour; and relative humidity in percent. Degree day totals are the sums of the negative departures of average daily temperatures from 65° F. Sleet was included in snowfall totals beginning with July 1948. Heavy fog reduces visibility to 1/4 mile or less.

Sky cover is expressed in a range of 0 for no clouds or obscuring phenomena to 10 for complete sky cover. The number of clear days is based on average cloudiness 0-3; partly cloudy days 4-7; and cloudy days 8-10 tenths.

& Figures instead of letters in a direction column indicate direction in tens of degrees from true North; i.e., 09-East, 18-South, 27-West, 36-North, and 00-Calm. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. If figures appear in the direction column under "Fastest mile" the corresponding speeds are fastest observed 1-minute values.

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PEORIA, ILLINOIS
GREATER PEORIA AIRPORT

AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1931	32.6	36.7	36.7	52.6	58.2	75.7	79.2	74.0	73.0	59.2	50.2	38.6	55.6
1932	33.2	36.8	31.8	51.4	63.7	73.4	76.7	74.2	64.8	52.8	36.0	27.8	51.9
1933	37.6	26.8	39.4	50.9	62.8	78.9	78.5	73.0	72.6	51.8	39.6	32.6	53.7
1934	31.7	23.8	34.1	51.6	68.7	79.2	81.0	74.4	63.8	57.4	46.0	26.0	53.1
1935	26.2	31.4	44.3	48.4	55.8	67.4	79.2	74.8	65.8	54.4	38.6	23.2	50.8
1936	17.2	14.8	41.9	48.2	67.0	72.0	84.3	80.3	70.5	54.2	37.8	33.8	51.8
1937	23.8	27.8	36.2	49.7	63.2	70.8	75.8	78.3	65.8	52.2	36.7	26.8	50.6
1938	26.2	36.2	47.4	53.3	62.2	69.9	76.5	77.2	68.1	60.3	43.0	30.0	54.2
1939	32.2	27.5	41.0	47.7	66.2	73.0	76.2	73.2	71.7	57.1	41.2	33.9	53.4
1940	13.3	29.4	35.9	49.8	58.9	73.6	77.4	74.8	66.6	59.0	38.2	34.0	50.9
1941	28.4	25.7	35.4	56.0	66.8	73.4	77.0	76.2	69.7	58.0	43.3	36.4	53.9
1942	25.6	26.8	42.0	56.1	61.9	71.9	76.3	73.4	64.8	55.2	41.4	24.6	51.7
1943	24.3	30.6	35.4	48.8	58.8	73.2	76.1	75.6	61.9	53.8	36.4	26.2	49.9
1944	31.0	29.4	34.4	47.4	66.4	74.2	74.8	73.8	66.2	54.4	43.0	22.2	51.4
1945	19.8	29.6	49.4	51.6	55.6	66.4	72.4	74.0	65.4	51.5	39.6	21.6	49.8
1946	27.2	30.8	50.1	54.2	58.2	70.4	76.1	69.9	65.8	59.0	42.8	33.0	53.1
1947	28.5	21.5	32.7	49.8	56.8	68.0	72.4	82.0	68.2	63.2	35.0	31.3	50.8
1948	20.2	27.6	37.5	55.0	59.6	70.6	74.8	74.3	69.0	52.2	42.8	31.4	51.2
1949	26.5	27.5	39.0	50.6	64.4	74.7	78.4	74.5	60.4	57.4	42.3	33.3	52.4
1950	29.2	26.9	34.6	44.3	63.6	69.9	72.4	69.0	65.8	60.1	34.0	20.8	49.2
1951	24.3	27.9	34.7	47.9	63.9	68.4	73.8	71.7	62.3	55.2	33.3	26.1	49.1
1952	27.2	33.0	36.1	52.4	60.9	76.7	77.0	72.6	65.7	48.4	42.5	32.3	52.1
1953	28.4	32.9	39.9	47.0	61.7	75.8	77.0	75.1	67.2	59.0	43.0	31.1	53.2
1954	27.4	37.5	35.4	55.6	57.5	75.5	77.8	73.8	69.1	55.4	41.8	31.1	53.1
1955	24.5	28.1	37.8	58.7	64.3	68.4	80.9	77.8	67.6	54.3	35.6	26.3	52.0
1956	25.9	29.8	38.9	48.8	64.3	74.1	73.7	74.1	65.5	61.6	39.9	31.8	52.4
1957	18.6	34.5	38.3	51.1	61.1	71.7	77.6	75.2	64.8	51.6	39.5	34.1	51.5
1958	25.0	19.5	36.8	52.2	62.7	66.4	72.8	73.9	65.8	56.5	43.1	23.0	49.8
1959	18.5	27.0	38.9	51.0	66.1	73.6	75.0	77.8	68.1	51.3	32.9	34.7	51.3
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
1967	27.6	21.8	40.2	52.7	56.4	72.3	72.0	68.1	63.3	52.6	36.8	29.8	49.5
RECORD													
MEAN	24.8	28.1	38.5	50.9	61.7	71.5	75.7	73.8	66.4	54.8	40.4	28.6	51.3
MAX	32.9	36.3	47.8	61.2	72.5	82.2	86.7	84.7	77.5	65.7	49.3	36.2	61.1
MIN	16.7	19.8	29.2	40.6	50.8	60.7	64.7	62.9	55.3	43.8	31.5	21.0	41.4

TOTAL DEGREE DAYS

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1930-31	2	0	48	410	680	1092	1004	792	874	390	255	32	5579
1931-32	0	1	37	225	450	818	987	817	1029	410	111	0	4885
1932-33	1	0	93	389	867	1155	851	1069	798	432	134	9	5798
1933-34	0	0	21	412	765	1005	1034	1153	960	406	58	0	5814
1934-35	0	14	108	244	574	1208	1205	941	642	510	288	56	5790
1935-36	0	26	94	346	791	1297	1481	1455	717	521	72	12	6812
1936-37	0	0	58	350	815	967	1277	1039	892	465	137	22	6022
1937-38	0	0	115	427	853	1186	1205	807	544	377	161	6	5681
1938-39	0	0	81	206	665	1088	1019	1050	749	527	92	18	5495
1939-40	0	0	49	305	715	965	1602	1030	903	456	218	2	6245
1940-41	0	12	95	204	804	964	1136	1105	919	298	89	4	5630
1941-42	0	3	61	243	660	886	1221	1072	716	300	182	34	5378
1942-43	0	8	189	317	706	1285	1262	967	923	485	228	25	6395
1943-44	0	1	151	354	860	1204	1056	1031	950	529	131	20	6287
1944-45	0	10	69	338	661	1328	1398	991	484	404	312	77	6072
1945-46	6	4	102	418	766	1347	1170	957	460	343	231	46	5850
1946-47	0	12	76	216	665	988	1133	1219	1005	456	263	48	6081
1947-48	6	0	109	119	895	1045	1390	1087	854	330	180	14	6029
1948-49	0	4	39	398	664	1040	1191	1050	805	434	107	3	5735
1949-50	0	0	168	266	682	984	1105	1062	936	613	97	36	5949
1950-51	2	18	62	191	925	1364	1254	1033	931	528	123	24	6455
1951-52	1	2	119	334	944	1198	1163	919	891	390	184	4	6149
1952-53	0	2	80	514	670	1005	1125	896	773	533	172	0	5770
1953-54	0	0	62	231	654	1045	1159	766	910	304	247	31	5409
1954-55	0	0	36	344	689	1046	1248	1030	836	190	90	41	5550
1955-56	0	0	41	331	874	1194	1208	1014	801	491	124	26	6104
1956-57	0	6	74	129	747	1026	1434	847	824	431	158	9	5685
1957-58	0	0	70	408	758	949	1233	1271	868	381	114	35	6087
1958-59	1	11	72	274	652	1296	1435	1057	800	418	103	5	6124
1959-60	1	0	66	421	954	930	1171	1183	1308	374	233	18	6659
1960-61	2	0	53	342	724	1278	1351	922	750	612	277	29	6340
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6569
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103	1151	1205	766	371	291	7	6095
1967-68	10	30	113	394	841	1083							

TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1931	0.48	0.83	2.50	2.23	5.14	2.29	5.91	2.49	4.92	3.15	5.55	2.26	37.75
1932	2.51	1.40	2.51	1.99	3.61	4.75	3.41	3.14	1.78	3.18	0.94	4.46	33.68
1933	1.69	1.33	4.70	3.05	7.97	1.15	1.93	2.66	5.92	2.23	0.26	1.18	34.07
1934	1.05	0.77	1.76	1.13	0.47	2.82	5.44	2.30	6.57	1.97	4.81	1.34	30.43
1935	1.93	2.83	3.32	2.91	8.58	6.62	2.64	0.98	3.33	1.59	4.03	1.39	40.15
1936	1.79	1.63	1.80	1.64	1.72	0.45	1.24	2.27	10.58	3.35	1.18	3.26	30.91
1937	2.86	2.46	1.02	4.42	3.22	4.87	2.32	1.55	1.14	2.69	1.28	2.06	29.89
1938	4.32	2.21	4.42	3.80	5.72	6.76	6.34	3.01	2.12	0.84	1.65	1.43	42.62
1939	3.40	2.88	3.24	5.16	4.48	5.53	4.80	2.38	0.85	3.80	1.14	0.61	38.27
1940	0.58	0.61	2.01	3.83	3.30	1.24	0.84	3.60	0.92	3.25	2.06	1.75	23.99
1941	3.11	1.01	1.48	5.04	6.52	3.38	1.66	2.79	5.32	10.80	2.00	1.46	44.57
1942	1.39	5.18	2.18	3.71	3.48	5.56	4.73	2.24	2.55	0.96	4.58	2.58	39.14
1943	1.68	1.04	2.43	5.79	7.35	3.49	2.56	4.63	0.88	1.60	1.23	0.58	33.26
1944	0.57	1.74	5.92	8.32	4.12	2.72	1.73	2.86	4.49	1.23	1.33	0.90	35.93
1945	0.49	1.24	3.90	5.58	4.90	5.66	0.57	1.11	7.36	0.74	2.19	2.39	36.13
1946	2.63	0.58	4.22	1.55	5.06	7.41	0.79	3.40	2.32	3.88	5.29	1.76	38.89
1947	1.47	0.33	2.25	8.66	4.63	7.13	1.64	1.33	2.49	3.57	2.54	3.13	39.17
1948	1.25	1.70	3.94	1.81	2.55	3.25	8.18	0.81	1.72	1.18	1.13	2.61	30.13
1949	4.43	1.63	2.57	2.75	1.17	3.25	4.93	1.28	1.62	2.71	0.65	6.34	33.33
1950	4.09	2.75	1.73	8.49	1.45	5.90	4.13	1.67	3.49	0.61	2.04	0.95	37.30
1951	1.58	3.44	3.35	4.09	2.56	4.04	5.81	3.30	2.50	2.97	2.43	1.16	37.23
1952	1.51	1.59	4.10	3.88	3.90	5.68	2.44	4.73	1.77	0.85	3.09	1.89	35.43
1953	1.28	0.77	4.80	2.81	2.16	3.47	6.32	1.61	2.11	0.74	0.43	2.33	28.83
1954	0.89	2.68	3.41	5.47	2.59	6.35	3.82	8.56	0.93	3.27	2.19	1.80	41.96
1955	2.56	2.44	1.76	3.69	3.54	3.20	0.65	4.72	2.62	3.73	0.72	0.36	29.99
1956	0.25	1.11	0.54	3.12	5.20	0.98	4.67	4.47	0.41	0.67	2.30	1.90	25.62
1957	1.70	0.83	2.63	5.61	7.96	3.04	2.00	1.57	1.21	4.34	2.55	3.55	36.99
1958	1.30	0.57	0.39	2.65	3.32	4.86	8.42	3.35	3.15	0.93	2.02	0.49	31.45
1959	1.71	1.84	3.46	2.50	5.09	1.03	2.83	2.25	3.51	3.56	0.96	1.89	30.63
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
1967	1.08	1.07	2.33	5.47	2.80	2.03	5.74	2.34	2.72	5.56	2.18	2.63	35.95
RECORD													
MEAN	1.83	1.83	2.80	3.51	3.92	3.78	3.72	3.09	3.66	2.40	2.28	1.96	34.78

TOTAL SNOWFALL

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1930-31	0.0	0.0	0.0	T	3.8	1.2	1.2	T	10.3	T	0.0	0.0	16.5
1931-32	0.0	0.0	0.0	0.0	0.7	4.9	1.6	3.4	5.9	T	0.0	0.0	16.5
1932-33	0.0	0.0	0.0	T	5.6	5.9	0.6	10.9	4.1	T	0.0	0.0	27.1
1933-34	0.0	0.0	0.0	0.0	T	1.5	0.8	10.8	14.7	T	0.0	0.0	27.8
1934-35	0.0	0.0	0.0	0.0	0.0	8.2	0.1	1.2	0.1	3.0	0.0	0.0	12.6
1935-36	0.0	0.0	0.0	0.0	0.1	10.9	15.4	7.3	0.9	3.0	0.0	0.0	37.6
1936-37	0.0	0.0	0.0	T	0.1	0.6	4.7	2.0	1.2	T	0.0	0.0	8.6
1937-38	0.0	0.0	0.0	T	4.1	0.8	6.3	7.0	T	6.2	0.0	0.0	24.4
1938-39	0.0	0.0	0.0	T	0.6	0.9	13.6	3.3	T	T	0.0	0.0	18.4
1939-40	0.0	0.0	0.0	0.0	T	8.0	4.3	8.2	2.3	T	T	0.0	22.8
1940-41	0.0	0.0	0.0	0.0	1.3	0.3	9.1	3.3	5.1	0.0	0.0	0.0	19.1
1941-42	0.0	0.0	0.0	0.0	3.5	3.6	3.5	8.9	0.7	T	0.0	0.0	20.2
1942-43	0.0	0.0	1.0	0.0	3.2	9.5	14.2	6.5	7.7	0.2	0.0	0.0	42.3
1943-44	0.0	0.0	0.0	0.0	0.4	3.0	T	11.0	2.8	0.0	T	0.0	17.2
1944-45	0.0	0.0	0.0	0.0	0.3	8.3	7.0	3.0	2.7	T	0.0	0.0	21.3
1945-46	0.0	0.0	0.0	0.0	0.5	7.0	1.8	3.2	9.9	T	0.0	0.0	22.4
1946-47	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.3	6.8	T	0.0	0.0	22.3
1947-48	0.0	0.0	0.0	0.0	3.6	1.8	4.3	4.0	3.0	0.0	0.0	0.0	16.7
1948-49	0.0	0.0	0.0	0.0	T	2.0	3.2	3.8	0.1	1.2	0.0	0.0	10.3
1949-50	0.0	0.0	0.0	0.0	0.3	3.6	2.1	10.7	2.0	T	T	0.0	18.7
1950-51	0.0	0.0	0.0	T	4.8	8.3	4.8	5.4	10.2	2.1	0.0	0.0	35.6
1951-52	0.0	0.0	0.0	0.0	8.9	9.8	2.3	6.5	4.8	T	0.0	0.0	32.3
1952-53	0.0	0.0	0.0	0.0	T	2.4	5.2	0.4	3.2	2.6	0.0	0.0	13.8
1953-54	0.0	0.0	0.0	0.0	1.8	4.3	0.1	2.8	4.3	0.0	T	0.0	13.3
1954-55	0.0	0.0	0.0	T	4.0	8.2	12.0	3.1	5.6	0.0	0.0	0.0	32.9
1955-56	0.0	0.0	0.0	T	2.2	2.3	1.8	5.2	4.5	T	0.0	0.0	16.0
1956-57	0.0	0.0	0.0	0.0	2.8	9.1	10.0	0.5	8.2	1.6	0.0	0.0	32.2
1957-58	0.0	0.0	0.0	T	0.4	5.4	11.0	1.5	0.4	T	0.0	0.0	18.7
1958-59	0.0	0.0	0.0	0.0	1.0	5.0	11.6	2.6	4.2	T	0.0	0.0	24.4
1959-60	0.0	0.0	0.0	0.0	7.0	2.4	3.3	12.0	16.9	T	T	0.0	41.6
1960-61	0.0	0.0	0.0	0.0	0.3	4.6	3.5	5.3	0.7	1.2	0.0	0.0	15.6
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8	10.0	3.6	2.7	1.4	0.0	0.0	21.5
1967-68	0.0	0.0	0.0	1.8	2.5	2.2							

Record mean values above (not adjusted for instrument location changes listed in the Station Location table) are means for the period beginning in 1905 for temperature and 1856 for precipitation.

A horizontal line drawn on the above tables indicates a break in the data sequence due to a change in instrument exposure or a station move (see Station Location table).

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground								Sea level	
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyranometer	
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40° 41'	89° 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 bl. N	40° 41'	89° 36'	490										
Corner of Water and East Franklin	1865	1868	3 bl. S	40° 41'	89° 36'	460										
Corner of Pecan & Meyer	1869	1872	9 bl. WSW	40° 41'	89° 36'	502										
202 Liberty Street	1873	1884	11 bl. ENE	40° 41'	89° 36'	473										
315 Harrison Street	1885	1888	1 bl. NW	40° 41'	89° 36'	495										
701 Fourth Street	1889	1905	9 bl. NW	40° 42'	89° 36'	519		7					3			Standard shelter in 1896.
CITY OFFICE																
101 South Institute Pl. (Bradley Campus)	2- 1-05	8-15-44	1 mi. NW	40° 43'	89° 36'	602	45	11	11		5		5			Observation program at Airport from 5-4-43.
AIRPORT STATION																
Admn. Bldg., Municipal Airport, 5 mi. WSW of Post Office	3- 1-35	5- 4-43		40° 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3-1-36. a - Added 3-1-36. b - 20 ft. to January 1939.
Admn. Bldg., Mun. AP	5- 4-43	10- 1-59	Not moved	40° 40'	89° 41'	654	c50	7	7		4		3			c - 26 ft. to 11-22-48.
New Admn. Bldg. Greater Peoria Airport	10- 1-59	Present	2300ft. WNW	40° 40'	89° 41'	652	20	6	6		4	4	4	5		

Requests for additional information should be directed to the Weather Bureau Office for which this summary was issued.

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LOCAL CLIMATOLOGICAL DATA

ANNUAL SUMMARY WITH COMPARATIVE DATA, 1966

PEORIA, ILLINOIS

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NARRATIVE CLIMATOLOGICAL SUMMARY

The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

The Airport Station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good.

Monthly mean temperatures range from 25° during January to 76° during July with an annual average of 51°. Illustrating the extreme conditions that have occurred, the single year of 1936 had 17 days with temperatures 100° or higher in July while the early part of that same year had 26 zero days in a 31-day period. 1936 also had the absolute maximum record of 113° set on July 15, but the absolute minimum of -27° dates back to January of 1884. June and September are usually the most pleasant months of the year. Then during October or first of November, "Indian Summer" is often experienced with an extended period of warm dry weather.

The average date for the last occurrence in the spring of temperatures as low as 32° is April 16 with the latest date occurring on May 12 in 1960. The average date for the first occurrence in the fall of temperatures as low as 32° is October 21 with the earliest date occurring on September 26 in 1928. The average growing season is 189 days with the longest growing season of record of 214 days occurring in 1931, while the shortest was 151 days in 1928.

The normal annual precipitation is 34.84 inches with individual years ranging from 23.18 inches in 1910 to 53.26 inches in 1858. Precipitation is normally heaviest during the growing season and at a minimum during midwinter. However, the wettest month on record was September in 1961 with 13.09 inches; and the driest was October of 1964 with only 0.03 of an inch. The maximum amount of rainfall occurring in any 24-hour period was 5.52 inches in May of 1927. Maximum amounts recorded for shorter periods are: for 5 minutes, 0.75 of an inch; for 15 minutes, 1.26 inches; for 30 minutes, 2.10 inches; and for 60 minutes, 2.60 inches.

Annual snowfall has ranged from only 6.0 inches in 1928 to 45.7 inches in 1926. The earliest snow of record occurred on September 25, 1942, when 1.0 inch fell; while traces have occurred as late in the spring as May 9. The heaviest single storm of record brought 18 inches during the last 2 days of February in 1900.

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LATITUDE 40° 40' N
LONGITUDE 89° 41' W
ELEVATION (ground) 652 Feet

METEOROLOGICAL DATA FOR THE CURRENT YEAR

PEORIA, ILLINOIS
GREATER PEORIA AIRPORT
1966

Month	Temperature								Precipitation						Relative humidity				Wind &								Number of days										
	Averages			Extremes				Degree days				Snow, Sleet							Resultant		Average speed	Fastest mile			Percent of possible sunshine	Average sky cover sunrise to sunset	Sunrise to sunset			Precipitation .01 inch or more	Snow, Sleet 1.0 inch or more	Thunderstorms	Heavy fog	Temperatures Maximum		Minimum	
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date		Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date	Midnight CST	6:00 A.M. CST	Noon CST	6:00 P.M. CST	Direction	Speed		Speed	Direction #	Date			Clear	Partly cloudy	Cloudy					90° and above	32° and below	32° and below	0° and below
JAN	27.5	11.4	19.5	49	1	-14	29	1406	1.49	1.33	12	0.6	0.2	22+	70	68	59	63	33	3.2	10.2	30	W	10	52	6.2	10	6	15	4	0	1	1	0	22	31	6
FEB	36.1	19.4	27.8	59	8	3	20+	1037	2.60	1.74	9	2.0	2.0	28	79	80	60	68	34	0.8	9.5	32	S	9	58	6.1	8	8	12	5	1	0	4	0	13	24	0
MAR	50.9	30.4	40.7	74	21+	13	7	746	1.78	0.87	11-12	0.8	0.6	4-5	75	77	60	62	22	4.3	11.6	45	W	23	50	7.5	4	5	22	10	0	1	3	0	3	18	0
APR	57.9	38.2	48.1	76	18	26	10	502	3.98	1.21	19-20	T	T	8+	76	82	58	59	36	1.6	11.7	40	NW	1	44	7.8	2	11	17	13	0	5	2	0	0	8	0
MAY	68.6	45.6	57.1	87	27	25	10	260	4.50	1.57	11	0.1	0.1	8	76	81	53	55	08	0.8	10.7	31	SW	5	72	4.2	16	9	6	8	0	7	1	0	0	3	0
JUN	82.2	58.5	70.4	93	25	44	10+	22	2.29	0.90	12-13	0.0	0.0		74	79	54	54	20	3.3	8.5	30	NW	15+	70	5.7	10	8	12	9	0	10	0	4	0	0	0
JUL	90.2	66.5	78.4	102	13+	57	22+	0	3.66	2.69	28	0.0	0.0		70	77	50	49	11	1.8	7.9	30	NE	11+	76	4.5	15	6	10	6	0	4	0	17	0	0	0
AUG	81.3	59.2	70.3	92	1	49	24	10	2.56	1.30	9-10	0.0	0.0		83	88	58	61	25	1.2	7.7	24	W	1	69	5.0	11	9	11	6	0	3	3	2	0	0	0
SEP	74.5	53.1	63.8	90	2	41	28	106	3.06	1.99	18-19	0.0	0.0		76	84	52	58	36	2.4	8.5	30	W	29+	64	5.8	10	7	13	5	0	3	1	1	0	0	0
OCT	63.3	39.3	51.3	80	9	27	30+	419	1.80	1.04	12-13	0.0	0.0		69	77	47	51	22	5.2	10.4	40	W	10	72	4.4	13	11	7	5	0	3	0	0	0	6	0
NOV	51.8	33.4	42.6	74	7	19	3	666	2.42	1.29	26-27	T	T	27+	71	73	62	64	24	3.3	11.9	33	NW	2	41	7.0	6	6	18	8	0	5	2	0	0	19	0
OEC	35.9	22.5	29.2	62	8	4	3	1103	3.00	1.37	6-7	3.8	2.8	27-28	81	83	73	76	26	1.7	10.7	35	SW	28	38	7.2	6	6	19	9	2	3	4	0	16	26	0
YEAR	60.0	39.8	49.9	102	JUL. 13+	-14	JAN. 29	6277	33.14	2.69	JUL. 28	7.3	2.8	DEC. 27-28	75	79	57	60	25	1.1	9.9	45	W	MAR. 23	60	6.0	111	92	162	88	3	45	21	24	54	135	6

NORMALS, MEANS, AND EXTREMES

Month	Temperature							Normal degree days	Precipitation												Relative humidity				Wind					Pct. of possible sunshine	Mean sky cover sunrise to sunset	Mean number of days										
	Normal			Extremes												Snow, Sleet											Fastest mile					Sunrise to sunset			Precipitation .01 inch or more	Snow, Sleet 1.0 inch or more	Thunderstorms	Heavy fog	Temperatures Max.		Min.	
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year		Normal total	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Mean total	Maximum monthly	Year	Maximum in 24 hrs.	Year	Midnight CST	6:00 A.M. CST	Noon CST	6:00 P.M. CST	Mean hourly speed	Prevailing direction	Speed	Direction #	Year			Clear	Partly cloudy	Cloudy					90° and above	32° and below	32° and below	0° and below
(a)	(b)	(b)	(b)	7		7		(b)	(b)	27		27		23		23	23		23		7	7	7	7	23	9	23	23		23	23	23	23	23	27	23	23	23	7	7	7	7
J	33.7	17.6	25.7	60	1965	-20	1963	1218	1.88	8.11	1965	0.25	1956	4.45	1965	5.1	12.0	1955	8.6	1958	75	77	68	70	11.2	S	54	S	1950	45	6.8	8	5	18	9	2	1	3	0	18	29	7
F	36.6	20.1	28.4	60	1965	-13	1963	1025	1.71	5.18	1942	0.33	1947	1.92	1954	5.0	12.0	1960	7.6	1944	80	81	67	72	11.6	WNW	52	W	1953	48	6.7	7	5	16	8	2	1	3	0	11	27	2
M	46.7	28.4	37.6	77	1963+	-10	1960	849	2.85	5.92	1944	0.39	1958	3.39	1944	5.0	16.9	1960	9.0	1946	80	84	67	70	12.4	WNW	56	W	1959+	51	6.8	7	8	16	11	2	3	2	0	7	22	1
A	61.2	40.3	50.8	85	1964+	20	1961	426	3.97	8.66	1947	0.89	1962	5.06	1950	0.4	2.6	1953	2.4	1953	74	81	59	57	12.4	S	66	SW	1947	55	6.8	6	8	16	12	*	5	1	0	0	7	0
M	72.3	50.7	61.5	90	1964+	25	1966	183	4.27	7.96	1957	1.04	1964	3.62	1956	T	0.1	1966	T	1960+	76	82	58	57	10.6	S	61	SW	1950	61	6.2	7	10	14	11	0	7	1	*	0	1	0
J	82.3	61.1	71.7	96	1964+	41	1964	33	4.08	7.41	1946	0.98	1956	3.62	1946	0.0	0.0		0.0		75	82	56	56	9.2	S	66	N	1953	66	6.0	7	11	12	10	0	9	1	5	0	0	0
J	87.0	65.0	76.0	102	1966	47	1962	0	3.54	8.42	1958	0.57	1945	3.56	1953	0.0	0.0		0.0		82	86	59	59	8.2	S	75	NW	1953	69	5.3	10	12	9	8	0	7	1	7	0	0	0
A	85.1	63.5	74.3	99	1964	44	1965	6	2.88	8.61	1965	0.81	1948	4.32	1955	0.0	0.0		0.0		81	87	58	61	8.0	S	65	W	1956	69	5.2	11	10	10	8	0	6	1	5	0	0	0
S	77.8	55.0	66.4	94	1960	35	1962	87	3.05	13.09	1961	0.41	1956	4.15	1961	0.0	0.0		0.0		82	88	59	64	9.0	S	73	W	1965	67	4.8	12	9	9	8	0	5	1	2	0	0	0
O	66.5	44.1	55.3	90	1963	19	1962	326	2.53	10.80	1941	0.03	1964	3.03	1957	T	T	1962+	T	1962+	77	85	55	60	9.6	S	60	SW	1958	65	4.8	13	8	10	6	0	2	1	*	0	4	0
N	48.6	30.7	39.7	77	1964+	4	1964	759	2.14	5.29	1946	0.43	1953	2.45	1946	1.7	8.9	1951	7.2	1951	79	83	65	68	11.5	S	56	W	1964+	47	6.4	8	7	15	8	1	2	2	0	1	17	0
D	36.8	21.3	29.1	64	1960	-18	1963	1113	1.94	6.34	1949	0.33	1962	3.38	1949	5.4	10.5	1961	6.8	1956	80	82	71	74	11.0	S	58	SW	1948	42	6.8	7	6	18	9	2	1	3	0	16	27	4
YR	61.2	41.5	51.4	102	JUL. 1966	-20	JAN. 1963	6025	34.84	13.09	SEP. 1961	0.03	OCT. 1964	5.06	APR. 1950	22.6	16.9	MAR. 1960	9.0	MAR. 1946	78	83	62	64	10.4	S	75	NW	JUL. 1953	58	6.0	103	99	163	108	8	48	20	19	54	134	13

Means and extremes in the above table are from the existing or comparable location(s). Annual extremes have been exceeded at other locations as follows: Highest temperature 113 in July 1936; lowest temperature -27 in January 1884; maximum precipitation in 24 hours 5.52 in May 1927; maximum monthly snowfall 26.5 in February 1900; maximum snowfall in 24 hours 18.0 in February 1900.

(a) Length of record, years.
(b) Climatological standard normals (1931-1960).
* Less than one half.
+ Also on earlier dates, months or years.
T Trace, an amount too small to measure.
Below-zero temperatures are preceded by a minus sign.
The prevailing direction for wind in the Normals, Means, and Extremes table is from records through 1963.

# To 8 compass points only.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation, including snowfall, in inches; wind movement in miles per hour; and relative humidity in percent. Degree day totals are the sums of the negative departures of average daily temperatures from 65° F. Sleet was included in snowfall totals beginning with July 1948. Heavy fog reduces visibility to 1/4 mile or less.

Sky cover is expressed in a range of 0 for no clouds or obscuring phenomena to 10 for complete sky cover. The number of clear days is based on average cloudiness 0-3; partly cloudy days 4-7; and cloudy days 8-10 tenths.

& Figures instead of letters in a direction column indicate direction in tens of degrees from true North; i.e., 09 - East, 18 - South, 27 - West, 36 - North, and 00 - Calm. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. If figures appear in the direction column under "Fastest mile" the corresponding speeds are fastest observed 1-minute values.

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1966

PEORIA, ILLINOIS
GREATER PEORIA AIRPORT

AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1931	32.6	36.7	36.7	52.6	58.2	75.7	79.2	74.0	73.0	59.2	50.2	38.6	55.6
1932	33.2	36.8	31.8	51.4	63.7	73.4	76.7	74.2	64.8	52.8	36.0	27.8	51.9
1933	37.6	26.8	39.4	50.9	62.8	78.9	78.5	73.0	72.6	51.8	39.6	32.6	53.7
1934	31.7	23.8	34.1	51.6	68.7	79.2	81.0	74.4	63.8	57.4	46.0	26.0	53.1
1935	26.2	31.4	44.3	48.4	55.8	67.4	79.2	74.8	65.8	54.4	38.6	23.2	50.8
1936	17.2	14.8	41.9	48.2	67.0	72.0	84.3	80.3	70.5	54.2	37.8	33.8	51.8
1937	23.8	27.8	36.2	49.7	63.2	70.8	75.8	78.3	65.8	52.2	36.7	26.8	50.6
1938	26.2	36.2	47.4	53.3	62.2	69.9	76.5	77.2	68.1	60.3	43.0	30.0	54.2
1939	32.2	27.5	41.0	47.7	66.2	73.0	76.2	73.2	71.7	57.1	41.2	33.9	53.4
1940	13.3	29.4	35.9	49.8	58.9	73.6	77.4	74.8	66.6	59.0	38.2	34.0	50.9
1941	28.4	25.7	35.4	56.0	66.8	73.4	77.0	76.2	69.7	58.0	43.3	36.4	53.9
1942	25.6	26.8	42.0	56.1	61.9	71.9	76.3	73.4	64.8	55.2	41.4	24.6	51.7
1943	24.3	30.6	35.4	48.8	58.8	73.2	76.1	75.6	61.9	53.8	36.4	26.2	49.9
1944	31.0	29.4	34.4	47.4	66.4	74.2	74.8	73.8	66.2	54.4	43.0	22.2	51.4
1945	19.8	29.6	49.4	51.6	55.6	66.4	72.4	74.0	65.4	51.5	39.6	21.6	49.8
1946	27.2	30.8	50.1	54.2	58.2	70.4	76.1	69.9	65.8	59.0	42.8	33.0	53.1
1947	28.5	21.5	32.7	49.8	56.8	68.0	72.4	82.0	68.2	63.2	35.0	31.3	50.8
1948	20.2	27.6	37.5	55.0	59.6	70.6	74.8	74.3	69.0	52.2	42.8	31.4	51.2
1949	26.5	27.5	39.0	50.6	64.4	74.7	78.4	74.5	60.4	57.4	42.3	33.3	52.4
1950	29.2	26.9	34.6	44.3	63.6	69.9	72.4	69.0	65.8	60.1	34.0	20.8	49.2
1951	24.3	27.9	34.7	47.9	63.9	68.4	73.8	71.7	62.3	55.2	33.3	26.1	49.1
1952	27.2	33.0	36.1	52.4	60.9	76.7	77.0	72.6	65.7	48.4	42.5	32.3	52.1
1953	28.4	32.9	39.9	47.0	61.7	75.8	77.0	75.1	67.2	59.0	43.0	31.1	53.2
1954	27.4	37.5	35.4	55.6	57.5	75.5	77.8	73.8	69.1	55.4	41.8	31.1	53.1
1955	24.5	28.1	37.8	58.7	64.3	68.4	80.9	77.8	67.6	54.3	35.6	26.3	52.0
1956	25.9	29.8	38.9	48.8	64.3	74.1	73.7	74.1	65.5	61.6	39.9	31.8	52.4
1957	18.6	34.5	38.3	51.1	61.1	71.7	77.6	75.2	64.8	51.6	39.5	34.1	51.5
1958	25.0	19.5	36.8	52.2	62.7	66.4	72.8	73.9	65.8	56.5	43.1	23.0	49.8
1959	18.5	27.0	38.9	51.0	66.1	73.6	75.0	77.8	68.1	51.3	32.9	34.7	51.3
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
1966	19.5	27.8	40.7	48.1	57.1	70.4	78.4	70.3	63.8	51.3	42.6	29.2	49.9
RECORD MEAN	24.7	28.2	38.5	50.8	61.7	71.4	75.8	73.9	66.4	54.8	40.5	28.6	51.3
MAX	32.8	36.4	47.7	61.1	72.6	82.2	86.8	84.8	77.5	65.8	49.4	36.2	61.1
MIN	16.6	19.9	29.2	40.5	50.8	60.6	64.7	63.0	55.3	43.8	31.6	21.0	41.4

TOTAL DEGREE DAYS

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1930-31	2	0	48	410	680	1092	1004	792	874	390	255	32	5579
1931-32	0	1	37	225	450	818	987	817	1029	410	111	0	4885
1932-33	1	0	93	389	867	1155	851	1069	798	432	134	9	5798
1933-34	0	0	21	412	765	1005	1034	1153	960	406	58	0	5814
1934-35	0	14	108	244	574	1208	1205	941	642	510	288	56	5790
1935-36	0	26	94	346	791	1297	1481	1455	717	521	72	12	6812
1936-37	0	0	58	350	815	967	1277	1039	892	465	137	22	6022
1937-38	0	0	115	427	853	1186	1205	807	544	377	161	6	5681
1938-39	0	0	81	206	665	1088	1019	1050	749	527	92	18	5495
1939-40	0	0	49	305	715	965	1602	1030	903	456	218	2	6245
1940-41	0	12	95	204	804	964	1136	1105	919	298	89	4	5630
1941-42	0	3	61	243	660	886	1221	1072	716	300	182	34	5378
1942-43	0	8	189	317	706	1285	1262	967	923	485	228	25	6395
1943-44	0	1	151	354	860	1204	1056	1031	950	529	131	20	6287
1944-45	0	10	69	338	661	1328	1398	991	484	404	312	77	6072
1945-46	6	4	102	418	766	1347	1170	957	460	343	231	46	5850
1946-47	0	12	76	216	665	988	1133	1219	1005	456	263	48	6081
1947-48	6	0	109	119	895	1045	1390	1087	854	330	180	14	6029
1948-49	0	4	39	398	664	1040	1191	1050	805	434	107	3	5735
1949-50	0	0	168	266	682	984	1105	1062	936	613	97	36	5949
1950-51	2	18	62	191	925	1364	1254	1033	931	528	123	24	6455
1951-52	1	2	119	334	944	1198	1163	919	891	390	184	4	6149
1952-53	0	2	80	514	670	1005	1125	896	773	533	172	0	5770
1953-54	0	0	62	231	654	1045	1159	766	910	304	247	31	5409
1954-55	0	0	36	344	689	1046	1248	1030	836	190	90	41	5550
1955-56	0	0	41	331	874	1194	1208	1014	801	491	124	26	6104
1956-57	0	6	74	129	747	1026	1434	847	824	431	158	9	5685
1957-58	0	0	70	408	758	949	1233	1271	868	381	114	35	6087
1958-59	1	11	72	274	652	1296	1435	1057	800	418	103	5	6124
1959-60	1	0	66	421	954	930	1171	1183	1308	374	233	18	6659
1960-61	2	0	53	342	724	1278	1351	922	750	612	277	29	6340
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6569
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914	1406	1037	746	502	260	22	6103
1966-67	0	10	106	419	666	1103							

TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1931	0.48	0.83	2.50	2.23	5.14	2.29	5.91	2.49	4.92	3.15	5.55	2.26	37.75
1932	2.51	1.40	2.51	1.99	3.61	4.75	3.41	3.14	1.78	3.18	0.94	4.46	33.68
1933	1.69	1.33	4.70	3.05	7.97	1.15	1.93	2.66	5.92	2.23	0.26	1.18	34.07
1934	1.05	0.77	1.76	1.13	0.47	2.82	5.44	2.30	6.57	1.97	4.81	1.34	30.43
1935	1.93	2.83	3.32	2.91	8.58	6.62	2.64	0.98	3.33	1.59	4.03	1.39	40.15
1936	1.79	1.63	1.80	1.64	1.72	0.45	1.24	2.27	10.58	3.35	1.18	3.26	30.91
1937	2.86	2.46	1.02	4.42	3.22	4.87	2.32	1.55	1.14	2.69	1.28	2.06	29.89
1938	4.32	2.21	4.42	3.80	5.72	6.76	6.34	3.01	2.12	0.84	1.65	1.43	42.62
1939	3.40	2.88	3.24	5.16	4.48	5.53	4.80	2.38	0.85	3.80	1.14	0.61	38.27
1940	0.58	0.61	2.01	3.83	3.30	1.24	0.84	3.60	0.92	3.25	2.06	1.75	23.99
1941	3.11	1.01	1.48	5.04	6.52	3.38	1.66	2.79	5.32	10.80	2.00	1.46	44.57
1942	1.39	5.18	2.18	3.71	3.48	5.56	4.73	2.24	2.55	0.96	4.58	2.58	39.14
1943	1.68	1.04	2.43	5.79	7.35	3.49	2.56	4.63	0.88	1.60	1.23	0.58	33.26
1944	0.57	1.74	5.92	8.32	4.12	2.72	1.73	2.86	4.49	1.23	1.33	0.90	35.93
1945	0.49	1.24	3.90	5.58	4.90	5.66	0.57	1.11	7.36	0.74	2.19	2.39	36.13
1946	2.63	0.58	4.22	1.55	5.06	7.41	0.79	3.40	2.32	3.88	5.29	1.76	38.89
1947	1.47	0.33	2.25	8.66	4.63	7.13	1.64	1.33	2.49	3.57	2.54	3.13	39.17
1948	1.25	1.70	3.94	1.81	2.55	3.25	8.18	0.81	1.72	1.18	1.13	2.61	30.13
1949	4.43	1.63	2.57	2.75	1.17	3.25	4.93	1.28	1.62	2.71	0.65	6.34	33.33
1950	4.09	2.75	1.73	8.49	1.45	5.90	4.13	1.67	3.49	0.61	2.04	0.95	37.30
1951	1.58	3.44	3.35	4.09	2.56	4.04	5.81	3.30	2.50	2.97	2.43	1.16	37.23
1952	1.51	1.59	4.10	3.88	3.90	5.68	2.44	4.73	1.77	0.85	3.09	1.89	35.43
1953	1.28	0.77	4.80	2.81	2.16	3.47	6.32	1.61	2.11	0.74	0.43	2.33	28.83
1954	0.89	2.68	3.41	5.47	2.59	6.35	3.82	8.56	0.93	3.27	2.19	1.80	41.96
1955	2.56	2.44	1.76	3.69	3.54	3.20	0.65	4.72	2.62	3.73	0.72	0.36	29.99
1956	0.25	1.11	0.54	3.12	5.20	0.98	4.67	4.47	0.41	0.67	2.30	1.90	25.62
1957	1.70	0.83	2.63	5.61	7.96	3.04	2.00	1.57	1.21	4.34	2.55	3.55	36.99
1958	1.30	0.57	0.39	2.65	3.32	4.86	8.42	3.35	3.15	0.93	2.02	0.49	31.45
1959	1.71	1.84	3.46	2.50	5.09	1.03	2.83	2.25	3.51	3.56	0.96	1.89	30.63
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
1966	1.49	2.60	1.78	3.98	4.50	2.29	3.66	2.56	3.06	1.80	2.42	3.00	33.14
RECORD MEAN	1.84	1.84	2.81	3.49	3.93	3.79	3.70	3.09	3.67	2.37	2.28	1.96	34.77

TOTAL SNOWFALL

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1930-31	0.0	0.0	0.0	T	3.8	1.2	1.2	T	10.3	T	0.0	0.0	16.5
1931-32	0.0	0.0	0.0	0.0	0.7	4.9	1.6	3.4	5.9	T	0.0	0.0	16.5
1932-33	0.0	0.0	0.0	T	5.6	5.9	0.6	10.9	4.1	T	0.0	0.0	27.1
1933-34	0.0	0.0	0.0	0.0	T	1.5	0.8	10.8	14.7	T	0.0	0.0	27.8
1934-35	0.0	0.0	0.0	0.0	0.0	8.2	0.1	1.2	0.1	3.0	0.0	0.0	12.6
1935-36	0.0	0.0	0.0	0.0	0.1	10.9	15.4	7.3	0.9	3.0	0.0	0.0	37.6
1936-37	0.0	0.0	0.0	T	0.1	0.6	4.7	2.0	1.2	T	0.0	0.0	8.6
1937-38	0.0	0.0	0.0	T	4.1	0.8	6.3	7.0	T	6.2	0.0	0.0	24.4
1938-39	0.0	0.0	0.0	T	0.6	0.9	13.6	3.3	T	T	0.0	0.0	18.4
1939-40	0.0	0.0	0.0	0.0	T	8.0	4.3	8.2	2.3	T	T	0.0	22.8
1940-41	0.0	0.0	0.0	0.0	1.3	0.3	9.1	3.3	5.1	0.0	0.0	0.0	19.1
1941-42	0.0	0.0	0.0	0.0	3.5	3.6	3.5	8.9	0.7	T	0.0	0.0	20.2
1942-43	0.0	0.0	1.0	0.0	3.2	9.5	14.2	6.5	7.7	0.2	0.0	0.0	42.3
1943-44	0.0	0.0	0.0	0.0	0.4	3.0	T	11.0	2.8	0.0	T	0.0	17.2
1944-45	0.0	0.0	0.0	0.0	0.3	8.3	7.0	3.0	2.7	T	0.0	0.0	21.3
1945-46	0.0	0.0	0.0	0.0	0.5	7.0	1.8	3.2	9.9	T	0.0	0.0	22.4
1946-47	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.3	6.8	T	0.0	0.0	22.3
1947-48	0.0	0.0	0.0	0.0	3.6	1.8	4.3	4.0	3.0	0.0	0.0	0.0	16.7
1948-49	0.0	0.0	0.0	0.0	T	2.0	3.2	3.8	0.1	1.2	0.0	0.0	10.3
1949-50	0.0	0.0	0.0	0.0	0.3	3.6	2.1	10.7	2.0	T	T	0.0	18.7
1950-51	0.0	0.0	0.0	T	4.8	8.3	4.8	5.4	10.2	2.1	0.0	0.0	35.6
1951-52	0.0	0.0	0.0	0.0	8.9	9.8	2.3	6.5	4.8	T	0.0	0.0	32.3
1952-53	0.0	0.0	0.0	0.0	T	2.4	5.2	0.4	3.2	2.6	0.0	0.0	13.8
1953-54	0.0	0.0	0.0	0.0	1.8	4.3	0.1	2.8	4.3	0.0	T	0.0	13.3
1954-55	0.0	0.0	0.0	T	4.0	8.2	12.0	3.1	5.6	0.0	0.0	0.0	32.9
1955-56	0.0	0.0	0.0	T	2.2	2.3	1.8	5.2	4.5	T	0.0	0.0	16.0
1956-57	0.0	0.0	0.0	0.0	2.8	9.1	10.0	0.5	8.2	1.6	0.0	0.0	32.2
1957-58	0.0	0.0	0.0	T	0.4	5.4	11.0	1.5	0.4	T	0.0	0.0	18.7
1958-59	0.0	0.0	0.0	0.0	1.0	5.0	11.6	2.6	4.2	T	0.0	0.0	24.4
1959-60	0.0	0.0	0.0	0.0	7.0	2.4	3.3	12.0	16.9	T	T	0.0	41.6
1960-61	0.0	0.0	0.0	0.0	0.3	4.6	3.5	5.3	0.7	1.2	0.0	0.0	15.6
1961-62	0.0	0.0	0.0	0.0	0.7	10.5	10.5	7.5	2.0	1.1	0.0	0.0	32.3
1962-63	0.0	0.0	0.0	T	T	2.1	7.0	6.2	T	0.0	0.0	0.0	15.3
1963-64	0.0	0.0	0.0	0.0	0.4	6.1	4.8	6.2	7.9	T	0.0	0.0	25.4
1964-65	0.0	0.0	0.0	0.0	1.0	7.2	5.5	5.8	13.5	0.0	0.0	0.0	33.0
1965-66	0.0	0.0	0.0	0.0	0.1	4.2	0.6	2.0	0.8	T	0.1	0.0	7.8
1966-67	0.0	0.0	0.0	0.0	T	3.8							

Record mean values above (not adjusted for instrument location changes listed in the Station Location table) are means for the period beginning in 1905 for temperature and 1856 for precipitation.

A horizontal line drawn on the above tables indicates a break in the data sequence due to a change in instrument exposure or a station move (see Station Location table).

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground									
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyrheliometer	
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40° 41'	89° 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 bl. N	40° 41'	89° 36'	490										
Corner of Water and East Franklin	1865	1868	3 bl. S	40° 41'	89° 36'	460										
Corner of Pecan & Meyer	1869	1872	9 bl. WSW	40° 41'	89° 36'	502										
202 Liberty Street	1873	1884	11 bl. ENE	40° 41'	89° 36'	473										
315 Harrison Street	1885	1888	1 bl. NW	40° 41'	89° 36'	495										
701 Fourth Street	1889	1905	9 bl. NW	40° 42'	89° 36'	519		7					3			Standard shelter in 1896.
CITY OFFICE																
101 South Institute Pl. (Bradley Campus)	2- 1-05	8-15-44	1 mi. NW	40° 43'	89° 36'	602	45	11	11		5		5			Observation program at Airport from 5-4-43.
AIRPORT STATION																
Admn. Bldg., Municipal Airport, 5 mi. WSW of Post Office	3- 1-35	5- 4-43		40° 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3-1-36. a - Added 3-1-36. b - 20 ft. to January 1939.
Admn. Bldg., Mun. AP	5- 4-43	10- 1-59	Not moved	40° 40'	89° 41'	654	c50	7	7		4		3			c - 26 ft. to 11-22-48.
New Admn. Bldg. Greater Peoria Airport	10- 1-59	Present	2300ft. WNW	40° 40'	89° 41'	652	20	6	6		4	4	4	5		

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LOCAL CLIMATOLOGICAL DATA

WITH COMPARATIVE DATA

1965

PEORIA, ILLINOIS

NARRATIVE CLIMATOLOGICAL SUMMARY

The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

The Airport Station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good.

Monthly mean temperatures range from 25° during January to 76° during July with an annual average of 51°. Illustrating the extreme conditions that have occurred, the single year of 1936 had 17 days with temperatures 100° or higher in July while the early part of that same year had 26 zero days in a 31-day period. 1936 also had the absolute maximum record of 113° set on July 15, but the absolute minimum of -27° dates back to January of 1884. June and September are usually the most pleasant months of the year. Then during October or first of November, "Indian Summer" is often experienced with an extended period of warm dry weather.

The average date for the last occurrence in the spring of temperatures as low as 32° is April 16 with the latest date occurring on May 12 in 1960. The average date for the first occurrence in the fall of temperatures as low as 32° is October 21 with the earliest date occurring on September 26 in 1928. The average growing season is 189 days with the longest growing season of record of 214 days occurring in 1931, while the shortest was 151 days in 1928.

The normal annual precipitation is 34.84 inches with individual years ranging from 23.18 inches in 1910 to 53.26 inches in 1858. Precipitation is normally heaviest during the growing season and at a minimum during midwinter. However, the wettest month on record was September in 1961 with 13.09 inches; and the driest was October of 1897 with only 0.04 of an inch. The maximum amount of rainfall occurring in any 24-hour period was 5.52 inches in May of 1927. Maximum amounts recorded for shorter periods are: for 5 minutes, 0.75 of an inch; for 15 minutes, 1.26 inches; for 30 minutes, 2.10 inches; and for 60 minutes, 2.60 inches.

Annual snowfall has ranged from only 6.0 inches in 1928 to 45.7 inches in 1926. The earliest snow of record occurred on September 25, 1942, when 1.0 inch fell; while traces have occurred as late in the spring as May 9. The heaviest single storm of record brought 18 inches during the last 2 days of February in 1900.

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METEOROLOGICAL DATA FOR THE CURRENT YEAR

PEORIA, ILLINOIS
GREATER PEORIA AIRPORT
1965

Month	Temperature							Degree days	Precipitation						Relative humidity				Wind -&					Percent of possible sunshine	Average sky cover sunrise to sunset	Number of days										
	Averages			Extremes								Snow, Sleet							Resultant		Fastest mile					Sunrise to sunset							Temperatures			
																																	Maximum		Minimum	
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date		Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date	Midnight CST	6:00 A.M. CST	Noon CST	6:00 P.M. CST	Direction	Speed	Speed	Direction #	Date			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Sleet 1.0 inch or more	Thunderstorms	Heavy fog	90° and above	32° and below	32° and below	0° and below
JAN	33.5	15.0	24.3	60	8	- 6	30	1254	8.11	4.45	1-2	5.5	3.5	14-15	81	81	71	76	29	2.2	33	NW	8	41	6.3	11	3	17	10	3	2	6	0	14	28	4
FEB	36.6	17.3	27.0	60	20	-10	2	1058	0.93	0.39	23-24	5.8	5.7	23-24	78	77	64	72	27	2.5	31	NW	25	60	5.1	12	5	11	9	2	0	2	0	9	25	4
MAR	35.7	20.2	28.0	56	1	7	20	1139	3.40	1.10	16-17	13.5	5.6	4	84	87	74	76	32	2.9	42	W	18	45	7.2	5	9	17	14	4	2	2	0	12	30	0
APR	61.0	40.8	50.9	82	30	31	2	416	5.58	1.69	5	0.0	0.0		81	88	72	70	08	0.8	42	SW	11	45	7.5	4	8	18	13	0	9	2	0	0	1	0
MAY	78.0	55.3	66.7	87	31	33	29	72	3.85	1.08	7	0.0	0.0		77	82	60	59	21	4.4	34	NW	4	71	6.0	8	10	13	10	0	8	0	0	0	0	0
JUN	82.1	60.5	71.3	93	27	48	18	1	1.04	0.46	29	0.0	0.0		75	80	57	57	11	2.2	30	SW	22+	67	5.6	9	10	11	7	0	7	1	3	0	0	0
JUL	84.0	63.3	73.7	96	23	55	1	0	3.31	1.09	2	0.0	0.0		82	87	61	61	22	1.1	31	NW	9	64	5.8	8	11	12	8	0	8	2	5	0	0	0
AUG	81.1	61.3	71.2	94	15	44	29	18	8.61	2.62	30	0.0	0.0		81	85	61	65	21	1.9	33	NW	3	59	5.6	9	8	14	15	0	8	0	4	0	0	0
SEP	73.6	55.7	64.7	88	9	36	25	100	8.17	2.58	14	0.0	0.0		92	95	74	79	16	2.3	73	W	14	48	5.9	9	6	15	12	0	7	4	0	0	0	0
OCT	63.5	41.5	52.5	80	18	28	29+	391	0.69	0.30	6	0.0	0.0		81	89	59	66	24	2.4	34	NW	7	66	4.5	13	8	10	6	0	3	1	0	0	5	0
NOV	50.2	32.2	41.2	73	3	13	29	707	1.22	0.67	25-26	0.1	0.1	18	81	86	70	72	24	3.0	45	W	26	52	6.3	9	4	17	6	0	1	3	0	3	16	0
DEC	43.4	27.3	35.4	61	30	6	28	914	3.35	2.62	24-25	4.2	3.0	24-25	86	87	76	79	22	4.5	32	N	24	43	7.3	4	9	18	9	2	0	1	0	6	19	0
YEAR	60.2	40.9	50.6	96	JUL. 23	-10	FEB. 2	6070	48.26	4.45	JAN. 1-2	29.1	5.7	FEB. 23-24	82	85	67	69	23	1.6	73	W	SEP. 14	56	6.1	101	91	173	119	11	55	24	12	44	124	8

NORMALS, MEANS, AND EXTREMES

Month	Temperature							Normal degree days	Precipitation												Relative humidity				Wind					Pct. of possible sunshine	Mean sky cover sunrise to sunset	Mean number of days										
	Normal			Extremes												Snow, Sleet											Fastest mile					Sunrise to sunset							Temperatures			
																																							Max.		Min.	
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year		Normal total	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Mean total	Maximum monthly	Year	Maximum in 24 hrs.	Year	Midnight CST	6:00 A.M. CST	Noon CST	6:00 P.M. CST	Mean hourly speed	Prevailing direction	Speed	Direction #	Year			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Sleet 1.0 inch or more	Thunderstorms	Heavy fog	90° and above	32° and below	32° and below	0° and below
(a)	(b)	(b)	(b)	6		6		(b)	(b)	26		26		22		22	22		22		6	6	6	6	21	9	22	22		22	22	22	22	22	26	22	22	22	6	6	6	6
J	33.7	17.6	25.7	60	1965	-20	1963	1218	1.88	8.11	1965	0.25	1956	4.45	1965	5.3	12.0	1955	8.6	1958	76	78	69	71	11.2	S	54	S	1950	45	6.8	7	6	18	9	2	1	3	0	18	29	7
F	36.6	20.1	28.4	60	1965	-13	1963	1025	1.71	5.18	1942	0.33	1947	1.92	1954	5.1	12.0	1960	7.6	1944	80	81	68	73	11.7	WNW	52	W	1953	48	6.7	7	5	16	8	2	1	3	0	11	27	3
M	46.7	28.4	37.6	77	1963+	-10	1960	849	2.85	5.92	1944	0.39	1958	3.39	1944	5.2	16.9	1960	9.0	1946	81	85	69	71	12.5	WNW	56	W	1959+	51	6.8	7	8	16	11	2	3	2	0	7	23	1
A	61.2	40.3	50.8	85	1964+	20	1961	426	3.97	8.66	1947	0.89	1962	5.06	1950	0.4	2.6	1953	2.4	1953	74	80	59	57	12.5	S	66	SW	1947	55	6.7	6	8	16	12	*	5	1	0	0	7	0
M	72.3	50.7	61.5	90	1964+	31	1963+	183	4.27	7.96	1957	1.04	1964	3.62	1956	T	T	1960+	T	1960+	76	82	59	58	10.7	S	61	SW	1950	60	6.3	7	10	14	12	0	7	1	*	0	1	0
J	82.3	61.1	71.7	96	1964+	41	1964	33	4.08	7.41	1946	0.98	1956	3.62	1946	0.0	0.0		0.0		76	82	56	56	9.2	S	66	N	1953	66	6.0	7	11	12	10	0	9	1	6	0	0	0
J	87.0	65.0	76.0	98	1964	47	1962	0	3.54	8.42	1958	0.57	1945	3.56	1953	0.0	0.0		0.0		84	88	60	61	8.2	S	75	NW	1953	69	5.4	9	13	9	8	0	8	1	5	0	0	0
A	85.1	63.5	74.3	99	1964	44	1965	6	2.88	8.61	1965	0.81	1948	4.32	1955	0.0	0.0		0.0		81	87	59	61	8.1	S	65	W	1956	69	5.2	11	10	10	8	0	7	1	5	0	0	0
S	77.8	55.0	66.4	94	1960	35	1962	87	3.05	13.09	1961	0.41	1956	4.15	1961	0.0	0.0		0.0		83	89	61	65	9.0	S	73	W	1965	68	4.7	13	8	9	8	0	5	1	3	0	0	0
O	66.5	44.1	55.3	90	1963	19	1962	326	2.53	10.80	1941	0.03	1964	3.03	1957	T	T	1962+	T	1962+	78	86	57	61	9.6	S	60	SW	1958	65	4.8	13	8	10	7	0	2	1	*	0	4	0
N	48.6	30.7	39.7	77	1964+	4	1964	759	2.14	5.29	1946	0.43	1953	2.45	1946	1.8	8.9	1951	7.2	1951	80	85	66	69	11.6	S	56	W	1964+	48	6.3	8	7	15	8	1	1	2	0	1	16	0
D	36.8	21.3	29.1	64	1960	-18	1963	1113	1.94	6.34	1949	0.33	1962	3.38	1949	5.4	10.5	1961	6.8	1956	80	82	71	74	11.0	S	58	SW	1948	43	6.7	7	6	18	9	2	*	3	0	17	27	4
YR	61.2	41.5	51.4	99	AUG. 1964	-20	JAN. 1963	6025	34.84	13.09	SEP. 1961	0.03	OCT. 1964	5.06	APR. 1950	23.2	16.9	MAR. 1960	9.0	MAR. 1946	79	84	63	65	10.4	S	75	NW	JUL. 1953	58	6.0	102	100	163	109	8	48	20	19	54	134	14

Means and extremes in the above table are from the existing or comparable location(s). Annual extremes have been exceeded at other locations as follows:
Highest temperature 113 in July 1936; lowest temperature -27 in January 1884; maximum precipitation in 24 hours 5.52 in May 1927; maximum monthly snowfall 26.5 in February 1900;
Maximum snowfall in 24 hours 18.0 in February 1900.

(a) Length of record, years.
(b) Climatological standard normals (1931-1960).
* Less than one half.
+ Also on earlier dates, months or years.
T Trace, an amount too small to measure.
Below-zero temperatures are preceded by a minus sign.

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Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation, including snowfall, in inches; wind movement in miles per hour; and relative humidity in percent. Monthly heating degree day totals are the sums of the negative departures of average daily temperatures from 65° F. Sleet was included in snowfall totals beginning with July 1948. Heavy fog reduces visibility to 1/4 mile or less.

Sky cover is expressed in a range of 0 for no clouds or obscuring phenomena to 10 for complete sky cover. The number of clear days is based on average cloudiness 0-3; partly cloudy days 4-7; and cloudy days 8-10 tenths.

& Figures instead of letters in a direction column indicate direction in tens of degrees from true North; i. e., 09 - East, 18 - South, 27 - West, 36 - North, and 00 - Calm. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. If figures appear in the direction column under "Fastest mile" the corresponding speeds are fastest observed 1 - minute values.

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1965

PEORIA, ILLINOIS
GREATER PEORIA AIRPORT

AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l
1930	17.0	38.4	38.8	55.0	63.3	71.6	78.2	76.1	69.8	53.0	42.4	29.8	52.8
1931	32.6	36.7	36.7	52.6	58.2	75.7	79.2	74.0	73.0	59.2	50.2	38.6	55.6
1932	33.2	36.8	31.8	51.4	63.7	73.4	76.7	74.2	64.8	52.8	36.0	27.8	51.9
1933	37.6	26.8	39.4	50.9	62.8	78.9	78.5	73.0	72.6	51.8	39.6	32.6	53.7
1934	31.7	23.8	34.1	51.6	68.7	79.2	81.0	74.4	63.8	57.4	46.0	26.0	53.1
1935	26.2	31.4	44.3	48.4	55.8	67.4	79.2	74.8	65.8	54.4	38.6	23.2	50.8
1936	17.2	14.8	41.9	48.2	67.0	72.0	84.3	80.3	70.5	54.2	37.8	33.8	51.8
1937	23.8	27.8	36.2	49.7	63.2	70.8	75.8	78.3	65.8	52.2	36.7	26.8	50.6
1938	26.2	36.2	47.4	53.3	62.2	69.9	76.5	77.2	68.1	60.3	43.0	30.0	54.2
1939	32.2	27.5	41.0	47.7	66.2	73.0	76.2	73.2	71.7	57.1	41.2	33.9	53.4
1940	13.3	29.4	35.9	49.8	58.9	73.6	77.4	74.8	66.6	59.0	38.2	34.0	50.9
1941	28.4	25.7	35.4	56.0	66.8	73.4	77.0	76.2	69.7	58.0	43.3	36.4	53.9
1942	25.6	26.8	42.0	56.1	61.9	71.9	76.3	73.4	64.8	55.2	41.4	24.6	51.7
1943	24.3	30.6	35.4	48.8	58.8	73.2	76.1	75.6	61.9	53.8	36.4	26.2	49.9
1944	31.0	29.4	34.4	47.4	66.4	74.2	74.8	73.8	66.2	54.4	43.0	22.2	51.4
1945	19.8	29.6	49.4	51.6	55.6	66.4	72.4	74.0	65.4	51.5	39.6	21.6	49.8
1946	27.2	30.8	50.1	54.2	58.2	70.4	76.1	69.9	65.8	59.0	42.8	33.0	53.1
1947	28.5	21.5	32.7	49.8	56.8	68.0	72.4	82.0	68.2	63.2	35.0	31.3	50.8
1948	20.2	27.6	37.5	55.0	59.6	70.6	74.8	74.3	69.0	52.2	42.8	31.4	51.2
1949	26.5	27.5	39.0	50.6	64.4	74.7	78.4	74.5	60.4	57.4	42.3	33.3	52.4
1950	29.2	26.9	34.6	44.3	63.6	69.9	72.4	69.0	65.8	60.1	34.0	20.8	49.2
1951	24.3	27.9	34.7	47.9	63.9	68.4	73.8	71.7	62.3	55.2	33.3	26.1	49.1
1952	27.2	33.0	36.1	52.4	60.9	76.7	77.0	72.6	65.7	48.4	42.5	32.3	52.1
1953	28.4	32.9	39.9	47.0	61.7	75.8	77.0	75.1	67.2	59.0	43.0	31.1	53.2
1954	27.4	37.5	35.4	55.6	57.5	75.5	77.8	73.8	69.1	55.4	41.8	31.1	53.1
1955	24.5	28.1	37.8	58.7	64.3	68.4	80.9	77.8	67.6	54.3	35.6	26.3	52.0
1956	25.9	29.8	38.9	48.8	64.3	74.1	73.7	74.1	65.5	61.6	39.9	31.8	52.4
1957	18.6	34.5	38.3	51.1	61.1	71.7	77.6	75.2	64.8	51.6	39.5	34.1	51.5
1958	25.0	19.5	36.8	52.2	62.7	66.4	72.8	73.9	65.8	56.5	43.1	23.0	49.8
1959	18.5	27.0	38.9	51.0	66.1	73.6	75.0	77.8	68.1	51.3	32.9	34.7	51.3
1960	26.9	24.0	22.6	53.0	57.8	68.1	72.0	73.4	68.3	54.0	40.7	23.6	48.7
1961	21.3	31.8	40.6	44.4	56.5	69.4	73.3	72.3	66.2	53.7	39.6	24.1	49.4
1962	16.5	25.9	33.7	50.2	68.2	71.0	72.0	73.6	62.6	54.9	40.8	23.6	49.4
1963	12.8	18.6	41.5	52.9	59.0	73.0	74.3	70.4	65.2	64.2	43.0	15.5	49.2
1964	28.7	28.1	36.0	52.2	66.3	72.7	76.2	72.4	65.4	50.8	43.5	25.7	51.5
1965	24.3	27.0	28.0	50.9	66.7	71.3	73.7	71.2	64.7	52.5	41.2	35.4	50.6
RECORD MEAN													
TEMP	24.8	28.2	38.5	50.9	61.8	71.5	75.7	74.0	66.5	54.9	40.4	28.6	51.3
MAX	32.9	36.4	47.7	61.2	72.6	82.2	86.7	84.9	77.6	65.8	49.3	36.2	61.1
MIN	16.7	19.9	29.2	40.6	50.9	60.7	64.7	63.1	55.4	43.9	31.5	20.9	41.5

TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1930	2.81	2.10	1.55	3.58	1.07	2.53	1.02	1.56	1.31	3.14	3.05	0.29	24.01
1931	0.48	0.83	2.50	2.23	5.14	2.29	5.91	2.49	4.92	3.15	5.55	2.26	37.75
1932	2.51	1.40	2.51	1.99	3.61	4.75	3.41	3.14	1.78	3.18	0.94	4.46	33.68
1933	1.69	1.33	4.70	3.05	7.97	1.15	1.93	2.66	5.92	2.23	0.26	1.18	34.07
1934	1.05	0.77	1.76	1.13	0.47	2.82	5.44	2.30	6.57	1.97	4.81	1.34	30.43
1935	1.93	2.83	3.32	2.91	8.58	6.62	2.64	0.98	3.33	1.59	4.03	1.39	40.15
1936	1.79	1.63	1.80	1.64	1.72	0.45	1.24	2.27	10.58	3.35	1.18	3.26	30.91
1937	2.86	2.46	1.02	4.42	3.22	4.87	2.32	1.55	1.14	2.69	1.28	2.06	29.89
1938	4.32	2.21	4.42	3.80	5.72	6.76	6.34	3.01	2.12	0.84	1.65	1.43	42.62
1939	3.40	2.88	3.24	5.16	4.48	5.53	4.80	2.38	0.85	3.80	1.14	0.61	38.27
1940	0.58	0.61	2.01	3.83	3.30	1.24	0.84	3.60	0.92	3.25	2.06	1.75	23.99
1941	3.11	1.01	1.48	5.04	6.52	3.38	1.66	2.79	5.32	10.80	2.00	1.46	44.57
1942	1.39	5.18	2.18	3.71	3.48	5.56	4.73	2.24	2.55	0.96	4.58	2.58	39.14
1943	1.68	1.04	2.43	5.79	7.35	3.49	2.56	4.63	0.88	1.60	1.23	0.58	33.26
1944	0.57	1.74	5.92	8.32	4.12	2.72	1.73	2.86	4.49	1.23	1.33	0.90	35.93
1945	0.49	1.24	3.90	5.58	4.90	5.66	0.57	1.11	7.36	0.74	2.19	2.39	36.13
1946	2.63	0.58	4.22	1.55	5.06	7.41	0.79	3.40	2.32	3.88	5.29	1.76	38.89
1947	1.47	0.33	2.25	8.66	4.63	7.13	1.64	1.33	2.49	3.57	2.54	3.13	39.17
1948	1.25	1.70	3.94	1.81	2.55	3.25	8.18	0.81	1.72	1.18	1.13	2.61	30.13
1949	4.43	1.63	2.57	2.75	1.17	3.25	4.93	1.28	1.62	2.71	0.65	6.34	33.33
1950	4.09	2.75	1.73	8.49	1.45	5.90	4.13	1.67	3.49	0.61	2.04	0.95	37.30
1951	1.58	3.44	3.35	4.09	2.56	4.04	5.81	3.30	2.50	2.97	2.43	1.16	37.23
1952	1.51	1.59	4.10	3.88	3.90	5.68	2.44	4.73	1.77	0.85	3.09	1.89	35.43
1953	1.28	0.77	4.80	2.81	2.16	3.47	6.32	1.61	2.11	0.74	0.43	2.33	28.83
1954	0.89	2.68	3.41	5.47	2.59	6.35	3.82	8.56	0.93	3.27	2.19	1.80	41.96
1955	2.56	2.44	1.76	3.69	3.54	3.20	0.65	4.72	2.62	3.73	0.72	0.36	29.99
1956	0.25	1.11	0.54	3.12	5.20	0.98	4.67	4.47	0.41	0.67	2.30	1.90	25.62
1957	1.70	0.83	2.63	5.61	7.96	3.04	2.00	1.57	1.21	4.34	2.55	3.55	36.99
1958	1.30	0.57	0.39	2.65	3.32	4.86	8.42	3.35	3.15	0.93	2.02	0.49	31.45
1959	1.71	1.84	3.46	2.50	5.09	1.03	2.83	2.25	3.51	3.56	0.96	1.89	30.63
1960	1.93	1.98	3.24	3.55	6.33	5.42	3.51	5.32	2.82	1.43	1.57	0.53	37.63
1961	0.32	1.07	3.26	2.38	2.19	3.39	5.56	1.94	13.09	1.77	2.79	1.69	39.45
1962	1.97	1.23	2.15	0.89	5.67	2.11	2.77	1.80	1.29	3.56	1.05	0.33	24.82
1963	0.56	0.48	5.32	4.08	1.24	1.53	3.56	2.99	1.76	1.42	1.94	0.78	25.66
1964	1.02	0.54	3.77	6.92	1.04	4.22	1.59	2.06	3.63	0.03	3.01	1.12	28.95
1965	8.11	0.93	3.40	5.58	3.85	1.04	3.31	8.61	8.17	0.69	1.22	3.35	48.26
RECORD MEAN	1.84	1.83	2.82	3.48	3.93	3.81	3.70	3.10	3.68	2.38	2.28	1.95	34.80

Record mean values above (not adjusted for instrument location changes listed in the Station Location table) are means for the period beginning in 1905 for temperature and 1856 for precipitation.

TOTAL HEATING DEGREE DAYS

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1929-30	0	12	95	377	831	1141	1493	745	816	335	136	26	6007
1930-31	2	0	48	410	680	1092	1004	792	874	390	255	32	5579
1931-32	0	1	37	225	450	818	987	817	1029	410	111	0	4885
1932-33	1	0	93	389	867	1155	851	1069	798	432	134	9	5798
1933-34	0	0	21	412	765	1005	1034	1153	960	406	58	0	5814
1934-35	0	14	108	244	574	1208	1205	941	642	510	288	56	5790
1935-36	0	26	94	346	791	1297	1481	1455	717	521	72	12	6812
1936-37	0	0	58	350	815	967	1277	1039	892	465	137	22	6022
1937-38	0	0	115	427	853	1186	1205	807	544	377	161	6	5681
1938-39	0	0	81	206	665	1088	1019	1050	749	527	92	18	5495
1939-40	0	0	49	305	715	965	1602	1030	903	456	218	2	6245
1940-41	0	12	95	204	804	964	1136	1105	919	298	89	4	5630
1941-42	0	3	61	243	660	886	1221	1072	716	300	182	34	5378
1942-43	0	8	189	317	706	1285	1262	967	923	485	228	25	6395
1943-44	0	1	151	354	860	1204	1056	1031	950	529	131	20	6287
1944-45	0	10	69	338	661	1328	1398	991	484	404	312	77	6072
1945-46	6	4	102	418	766	1347	1170	957	460	343	231	46	5850
1946-47	0	12	76	216	665	988	1133	1219	1005	456	263	48	6081
1947-48	6	0	109	119	895	1045	1390	1087	854	330	180	14	6029
1948-49	0	4	39	398	664	1040	1191	1050	805	434	107	3	5735
1949-50	0	0	168	266	682	984	1105	1062	936	613	97	36	5949
1950-51	2	18	62	191	925	1364	1254	1033	931	528	123	24	6455
1951-52	1	2	119	334	944	1198	1163	919	891	390	184	4	6149
1952-53	0	2	80	514	670	1005	1125	896	773	533	172	0	5770
1953-54	0	0	62	231	654	1045	1159	766	910	304	247	31	5409
1954-55	0	0	36	344	689	1046	1248	1030	836	190	90	41	5550
1955-56	0	0	41	331	874	1194	1208	1014	801	491	124	26	6104
1956-57	0	6	74	129	747	1026	1434	847	824	431	158	9	5685
1957-58	0	0	70	408	758	949	1233	1271	868	381	114	35	6087
1958-59	1	11	72	274	652	1296	1435	1057	800	418	103	5	6124
1959-60	1	0	66	421	954	930	1171	1183	1308	374	233	18	6659
1960-61	2	0	53	342	724	1278	1351	922	750	612	277	29	6340
1961-62	2	5	120	347	752	1262	1501	1088	960	455	63	14	6404
1962-63	4	0	137	341	717	1279	1613	1292	723	367	200	14	6687
1963-64	2	22	64	93	652	1534	1118	1066	891	384	66	17	5909
1964-65	2	8	108	435	637	1212	1254	1058	1139	416	72	1	6342
1965-66	0	18	100	391	707	914							

TOTAL SNOWFALL

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1929-30	0	0	0	3.3	0.2	9.5	14.1	0.6	5.6	0	0	0	33.3
1930-31	0	0	0	T	3.8	1.2	1.2	T	10.3	T	0	0	16.5
1931-32	0	0	0	0	0.7	4.9	1.6	3.4	5.9	T	0	0	16.5
1932-33	0	0	0	T	5.6	5.9	0.6	10.9	4.1	T	0	0	27.1
1933-34	0	0	0	0	T	1.5	0.8	10.8	14.7	T	0	0	27.8
1934-35	0	0	0	0	0	8.2	0.1	1.2	0.1	3.0	0	0	12.6
1935-36	0	0	0	0	0.1	10.9	15.4	7.3	0.9	3.0	0	0	37.6
1936-37	0	0	0	T	0.1	0.6	4.7	2.0	1.2	T	0	0	8.6
1937-38	0	0	0	T	4.1	0.8	6.3	7.0	T	6.2	0	0	24.4
1938-39	0	0	0	T	0.6	0.9	13.6	3.3	T	T	0	0	18.4
1939-40	0	0	0	0	T	8.0	4.3	8.2	2.3	T	T	0	22.8
1940-41	0	0	0	0	1.3	0.3	9.1	3.3	5.1	0	0	0	19.1
1941-42	0	0	0	0	3.5	3.6	3.5	8.9	0.7	T	0	0	20.2
1942-43	0	0	1.0	0	3.2	9.5	14.2	6.5	7.7	0.2	0	0	42.3
1943-44	0	0	0	0	0.4	3.0	T	11.0	2.8	0	T	0	17.2
1944-45	0	0	0	0	0.3	8.3	7.0	3.0	2.7	T	0	0	21.3
1945-46	0	0	0	0	0.5	7.0	1.8	3.2	9.9	T	0	0	22.4
1946-47	0	0	0	0	0	5.1	5.1	5.3	6.8	T	0	0	22.3
1947-48	0	0	0	0	3.6	1.8	4.3	4.0	3.0	0	0	0	16.7
1948-49	0	0	0	0	T	2.0	3.2	3.8	0.1	1.2	0	0	10.1
1949-50	0	0	0	0	0.3	3.6	2.1	10.7	2.0	T	T	0	18.7
1950-51	0	0	0	T	4.8	8.3	4.8	5.4	10.2	2.1	0	0	35.6
1951-52	0	0	0	0	8.9	9.8	2.3	6.5	4.8	T	0	0	32.3
1952-53	0	0	0	0	T	2.4	5.2	0.4	3.2	2.6	0	0	13.8
1953-54	0	0	0	0	1.8	4.3	0.1	2.8	4.3	0	T	0	13.3
1954-55	0	0	0	T	4.0	8.2	12.0	3.1	5.6	0	0	0	32.9
1955-56	0	0	0	T	2.2	2.3	1.8	5.2	4.5	T	0	0	16.0
1956-57	0	0	0	0	2.8	9.1	10.0	0.5	8.2	1.6	0	0	32.2
1957-58	0	0	0	T	0.4	5.4	11.0	1.5	0.4	T	0	0	18.7
1958-59	0	0	0	0	1.0	5.0	11.6	2.6	4.2	T	0	0	24.4
1959-60	0	0	0	0	7.0	2.4	3.3	12.0	16.9	T	T	0	41.6
1960-61	0	0	0	0	0.3	4.6	3.5	5.3	0.7	1.2	0	0	15.6
1961-62	0	0	0	0	0.7	10.5	10.5	7.5	2.0	1.1	0	0	32.3
1962-63	0	0	0	T	T	2.1	7.0	6.2	T	0	0	0	15.3
1963-64	0	0	0	0	0.4	6.1	4.8	6.2	7.9	T	0	0	25.4
1964-65	0	0	0	0	1.0	7.2	5.5	5.8	13.5	0	0	0	33.0
1965-66	0	0	0	0	0.1	4.2							

A horizontal line drawn on the above tables indicates a break in the data sequence due to a change in instrument exposure or a station move (see Station Location table).

Requests for additional information should be directed to the Weather Bureau Office for which this summary was issued.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground									
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyrheliometer	
COOPERATIVE																
Corner of Washington and East Franklin	1856	1862		40° 41'	89° 36'	470										Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905.
72 South Adams	1863	1864	2 bl. N	40° 41'	89° 36'	490										
Corner of Water and East Franklin	1865	1868	3 bl. S	40° 41'	89° 36'	460										
Corner of Pecan & Meyer	1869	1872	9 bl. WSW	40° 41'	89° 36'	502										
202 Liberty Street	1873	1884	11 bl. ENE	40° 41'	89° 36'	473										
315 Harrison Street	1885	1888	1 bl. NW	40° 41'	89° 36'	495										
701 Fourth Street	1889	1905	9 bl. NW	40° 42'	89° 36'	519		7					3			Standard shelter in 1896.
CITY OFFICE																
101 Soutb Institute Pl. (Bradley Campus)	2- 1-05	8-15-44	1 mi. NW	40° 43'	89° 36'	602	45	11	11		5		5			Observation program at Airport from 5-4-43.
AIRPORT STATION																
Admn. Bldg., Municipal Airport, 5 mi. WSW of Post Office	3- 1-35	5- 4-43		40° 40'	89° 41'	654	b26	6	5				a4			Occasional airway observations to 3-1-36. a - Added 3-1-36. b - 20 ft. to January 1939.
Admn. Bldg., Mun. AP	5- 4-43	10- 1-59	Not moved	40° 40'	89° 41'	654	c50	7	7		4		3			c - 26 ft. to 11-22-48.
New Admn. Bldg. N. side of Mun. AP	10- 1-59	Present	2300ft. WNW	40° 40'	89° 41'	652	20	6	6		4	4	4	5		

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